

**Pollution Roses Produced for the PM_{2.5} 24-hour NAAQS Designation
Considerations
12/15/2008**

Pollution rose graphics were produced for PM_{2.5} federal reference method (FRM) ambient monitoring sites located in or near one of the 58 identified “potential” nonattainment areas. Each rose figure combines 24-hour FRM data (2005 to 2007) with available same-day meteorological 24-hour resultant wind speed and wind direction information. Each rose provides a visual indication of the predominant direction and associated speed in which the wind was blowing on each PM_{2.5} sample day. Meteorological information (i.e., wind speed and wind direction) from the National Weather Service (NWS) reporting station nearest each ambient monitoring site were summarized to a 24-hour basis and paired with the site’s PM_{2.5} 24-hour average concentrations. Rose plots were generated for ambient monitoring site regardless of the distance between them and the nearest NWS site; this distance is provided on each plot. In situations where this distance is great and/or where there are significant topological differences between the two locations (i.e., the PM_{2.5} site and the NWS met site), the met data may not be reflective (some or all of the time) of what was actually seen at the ambient monitoring site and hence, the plotted results may be misleading. Hourly NWS wind speed and wind direction data were aggregated to a daily (24-hour) “resultant” basis by calculating vector averages.¹ On the rose graphics, the center of the plot (i.e., the crosshair intersection of a north-south line and an east-west line) represents the ambient monitor location. Colored symbols (triangles and dots), depicting the reported 24-hour average PM_{2.5} concentrations, are plotted around the monitor with their relative position (to the monitor center) denoting the 24-hr average resultant wind speed and direction. More specifically:

- The color and size of the symbols reflects the concentration of PM_{2.5} on a given day. Small blue symbols indicate a 24-hour average concentration of 30 µg/m³ or less; medium-sized yellow symbols indicate 24-hour average concentrations between 30 and 35 (29.9 to 34.4) µg/m³; large red symbols identify daily concentrations between 35 and 40 (35.5 to 40.4) µg/m³; and large black symbols identify concentrations greater than 40 (> 40.5). Thus, the red and black symbols show exceedances of the 24-hour PM_{2.5} NAAQS.
- The symbol shape indicates that “season” corresponding to the reported observation. Triangle symbols are used for readings collected in the “cool” season (April through March, inclusive) and dot symbols are used to mark observations that were collected in the “warm” season (May through September).
- The location of the plotted symbol in relation to the center of the diagram indicates the direction from which the wind was predominantly traveling that day

¹ “Vector average” means that the daily 24-hour wind speed and wind direction have been calculated by considering 24 individual observations of wind speed and direction, and summing (and then averaging) these as vector quantities. If the wind direction is constant during the 24 hours, the 24-hour speed will simply be the average of the hourly wind speeds. If the wind direction changed from hour to hour, the 24-hour speed will be less than the simple average of the hourly wind speed and the direction will be a type of average of the hourly directions. Together, the vector resolved wind direction and speed represent the net forward path of an air mass during the 24 hours, accounting for any meandering due to shifts in wind direction.

- (i.e., the 24-hour resultant wind direction). Thus, a symbol in the top left quadrant of the pollution rose demonstrates that the wind was emanating from the northeast direction on the date of that particular monitor reading. High concentration markers, especially when grouped together, identify the typical directional location or “source” of high particulate (and/or particulate precursor) emissions.
- The symbol’s distance from the center of the plot represents the “resultant wind speed” for the day. Resultant wind speeds are plotted from zero, the center of the plot, outwards (and numerically linearly upwards) to 12 mile per hour, the outer ring of the plot. Concentric reference rings are drawn at 2 mph increments (i.e., at 2, 4, 6, 8, 10, and 12 mph). Resultant speeds greater than 12 miles per hour are capped at 12 mile per hour, thus plotted on the outer reference ring. Thus, symbols located close to the center of the diagram indicate a slower resultant wind speed (and perhaps stagnation); symbols located further away from the center indicate higher wind speeds and ostensibly, more possibility of pollutant transport over a longer distance.

There are several situations in which reported $PM_{2.5}$ observations are not plotted for a particular site:

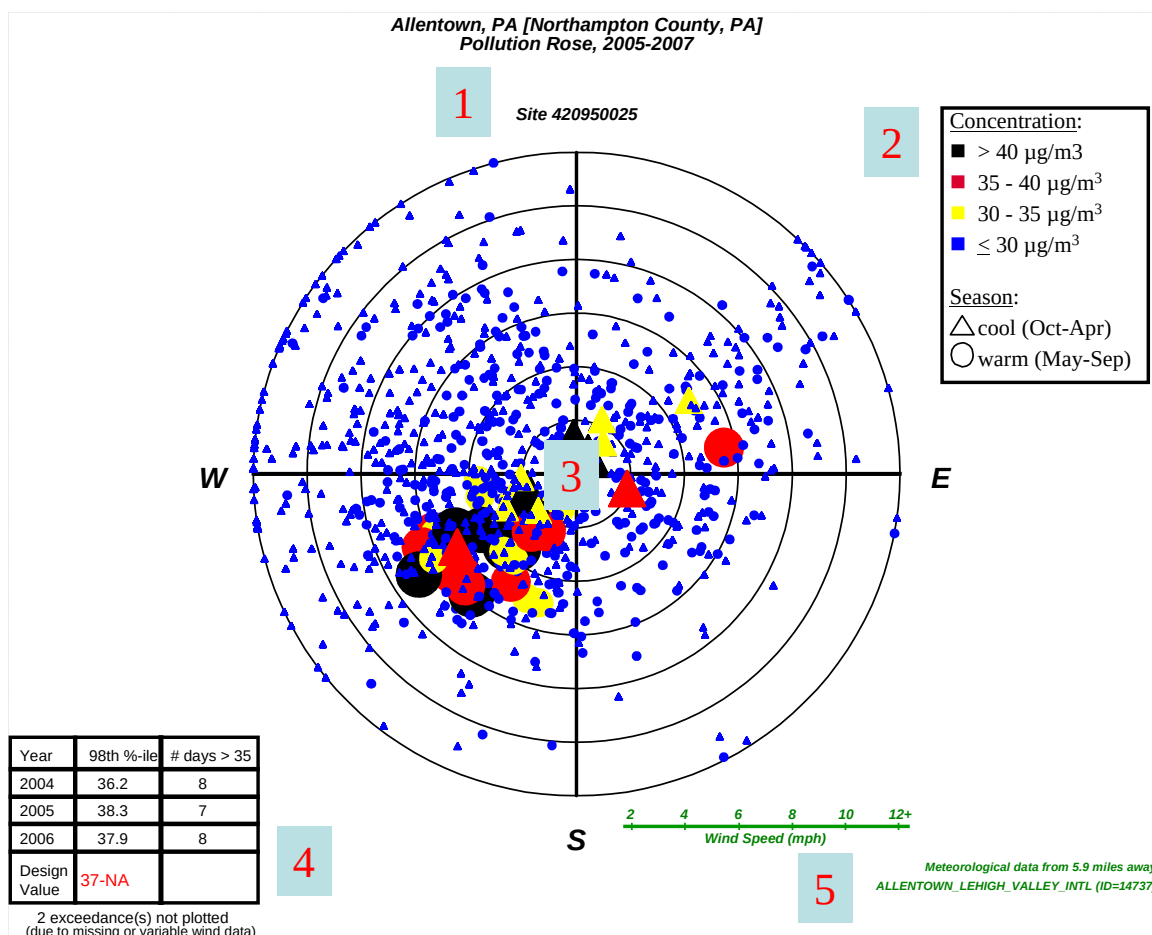
1. Exceptional event-flagged days that have been approved by EPA (i.e., AQS concurrence code = ‘Y’) are not shown. Note that a July, 2008 AQS extraction was the source of the $PM_{2.5}$ data used to generate the pollution roses but that subsequent exceptional event approvals were made and considered in the designation process. Thus, in some situations, exceedances are plotted (and included in associated counts) that would not have been if a newer dataset were utilized. In these situations, the identified 98th percentiles and 24-hour design values are probably overstated. Warning notes were placed on plots where the post-July event approvals had a significant effect on the designation outcome.
2. Days in which there is insufficient meteorological data available for the nearest NWS site are not plotted.
3. If wind data are available but indicate extreme variability (as identified by a ratio of resultant speed / scalar speed of less than 0.4) then the observation also is not shown.²

A note on the plot shows the number of exceedance days not plotted for one of the last two reasons. An example pollution rose is shown and described below.

² For example, if the wind was from the east for 12 hours at one speed and then from the west for 12 hours at the same speed, the vector resolved wind speed and direction would both be zero. The ratio of scalar to resultant wind speeds would be zero. Such a day would not be plotted on the wind rose because doing so could give the impression that there was little transport potential when in reality there was opportunity for the air measured at the site to have been appreciably influenced by emissions at some distance.

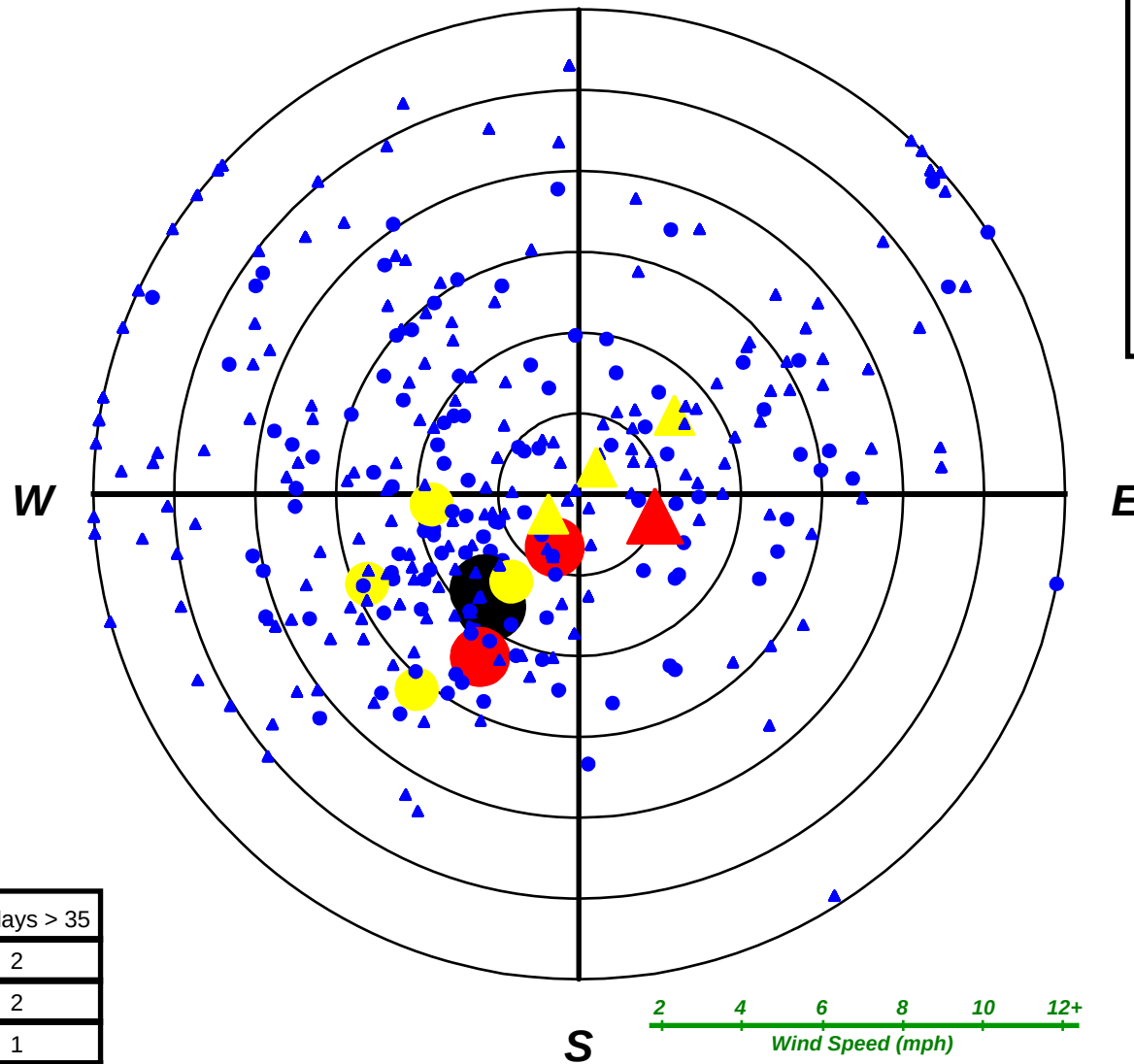
Pollution Rose Key

1. The top line of the title shows the “potential” nonattainment area in which the monitoring site is located (or nearby). The “potential” areas are typically based on (in this priority order) existing PM_{2.5} nonattainment area boundaries (as prescribed in the 2006 FR notice), a combined statistical area (CSA) if the site is part of one, a core-based statistical area (CBSA) if the site is located in one of those that does not map to a CSA; or else just a county-state if the county is not part of CBSA. The area name in the top title is followed by the county and state names in parenthesis. A subtitle (the third printed line) identifies the AQS site code represented by the plot. The site in the example plot has an AQS site ID of 42095002, and is located in Northampton County, PA, which is identified as part of the potential nonattainment area of Allentown, PA.
2. A legend in the right top corner shows the symbol colors used to identify the daily concentration range and the symbol markers used to show season.
3. The rose plot body shows the individual 24-hour average concentrations for the site plotted around the site (center) directionally relevant to the compass bearing the wind was blowing from and distance-relevant according to the resultant wind speed that day. The example plot shows that there are sample days occurring in every wind quadrant but that most of the days appear to be plotted to the left (or west), more specifically between NNW and SSW. Most of the high concentration days for the example site appear to occur when the wind blows from the SW at speeds of about 4-8 miles per hour.
4. 2005-2007 PM_{2.5} summary information for the plotted site is shown in a table at the bottom left of the figure. The table shows the annual 98th percentiles, annual counts of (non-concurred) NAAQS exceedances, and also the 3-year 24-hour standard design value (shown in red if violating the NAAQS and in blue if not). A note below the table tells how many non-concurred exceedances were not plotted because of missing met data or variable wind conditions. In the example plot, the site had 23 total exceedances over the 3-year period 2005-2007: 8 in 2005, 7 in 2006, and 8 in 2007. The annual 98th percentiles for the site are 36.2 µg/m³ for 2005; 38.3 µg/m³ for 2006; and 37.9 µg/m³ in 2007. The 3-year design value for the site is 37 µg/m³. According to the note below the table, 2 exceedances (out of the 23 total) were not plotted because of missing met data or variable winds.
5. A two-line green-font text entry at the bottom right corner of the figure identifies the specific NWS site from which meteorological data were used to generate the plot (bottom line), and the distance between that NWS site and the ambient monitoring location and (top line). In the example plot, met data from the Allentown Lehigh Valley International Airport (NWS ID = 1437) were used to generate the rose plot; that NWS site is approximately 5.9 miles from the PM_{2.5} monitoring site. A key for the plotted wind speeds (i.e., the concentric circles) is shown just below the plot body (above the “5” in the example).



**Allentown, PA [Warren County, NJ]
Pollution Rose, 2005-2007**

Site 340410006



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

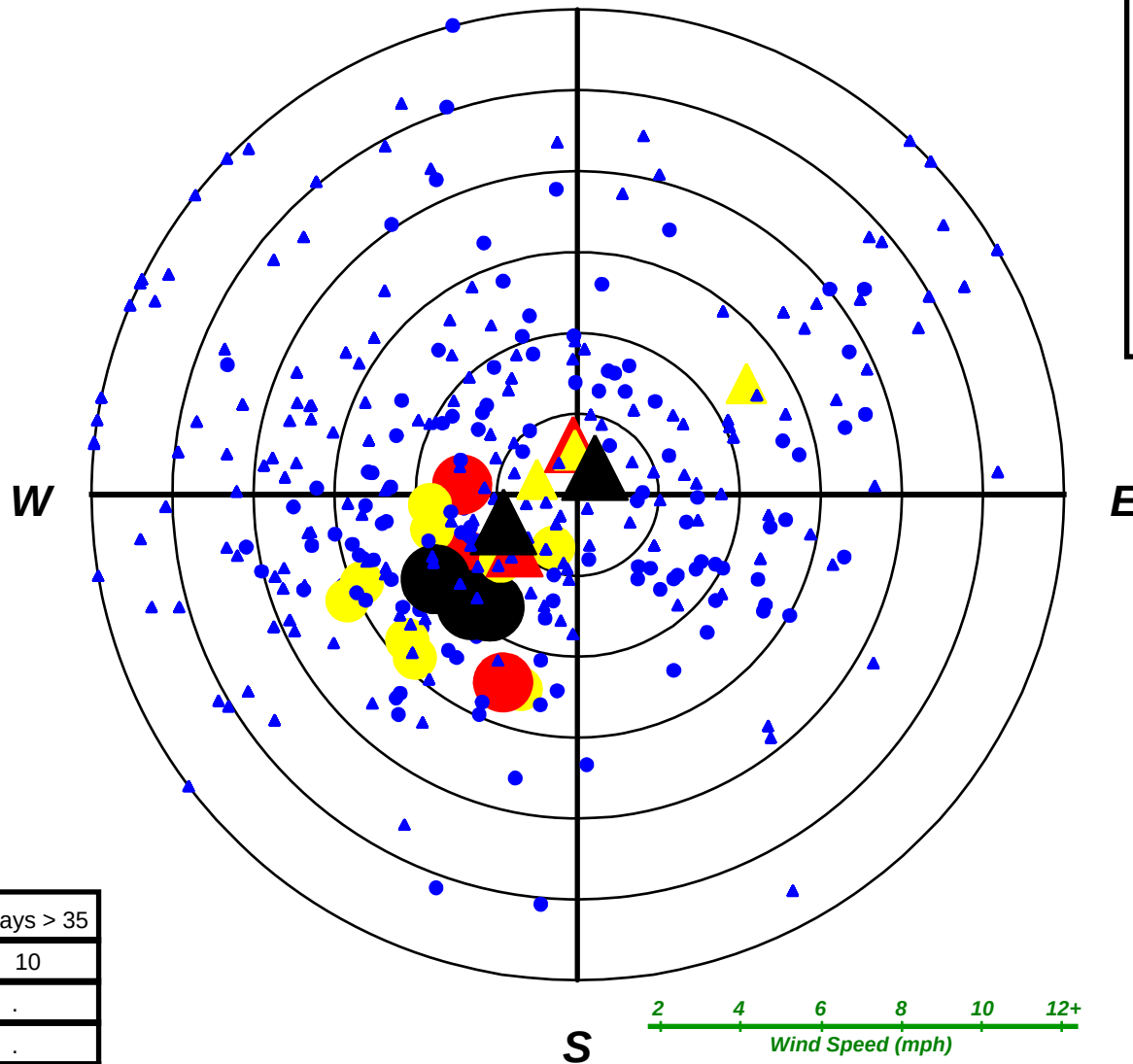
Year	98th %-ile	# days > 35
2005	34.0	2
2006	32.4	2
2007	34.5	1
Design Value	34-A	

All exceedances plotted

*Meteorological data from 14.3 miles away
ALLENTOWN_LEHIGH_VALLEY_INTL (ID=14737)*

**Allentown, PA [Lehigh County, PA]
Pollution Rose, 2005-2007**

Site 420770004



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	36.7	10
2006	.	.
2007	.	.
Design Value	37-inc-na	

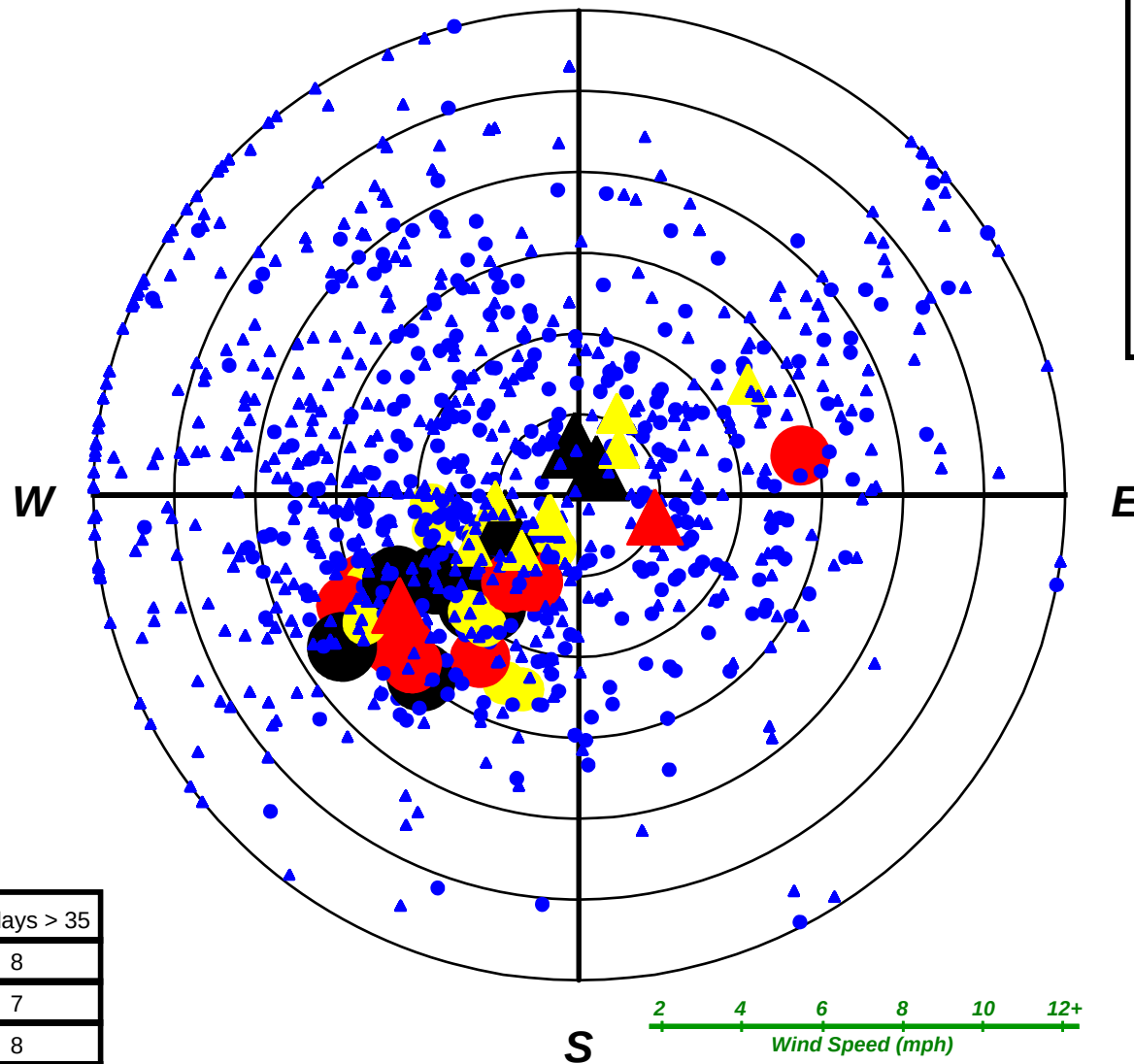
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 2.8 miles away
ALLENTOWN_LEHIGH_VALLEY_INTL (ID=14737)

**Allentown, PA [Northampton County, PA]
Pollution Rose, 2005-2007**

Site 420950025



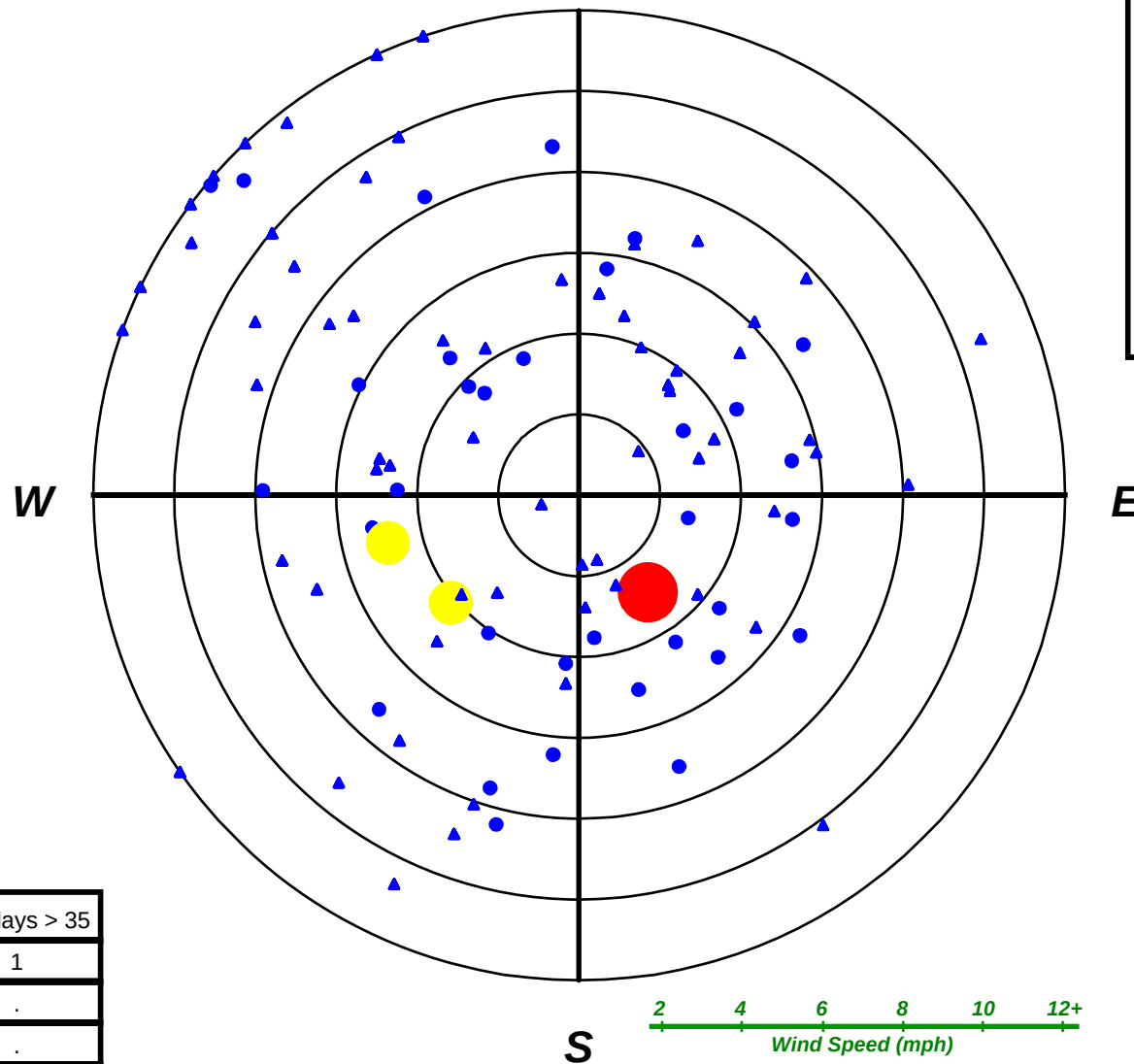
Year	98th %-ile	# days > 35
2005	36.2	8
2006	38.3	7
2007	37.9	8
Design Value	37-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 5.9 miles away
ALLENTOWN_LEHIGH_VALLEY_INTL (ID=14737)*

Baltimore, MD [Anne Arundel County, MD]
Pollution Rose, 2005-2007

Site 240030014



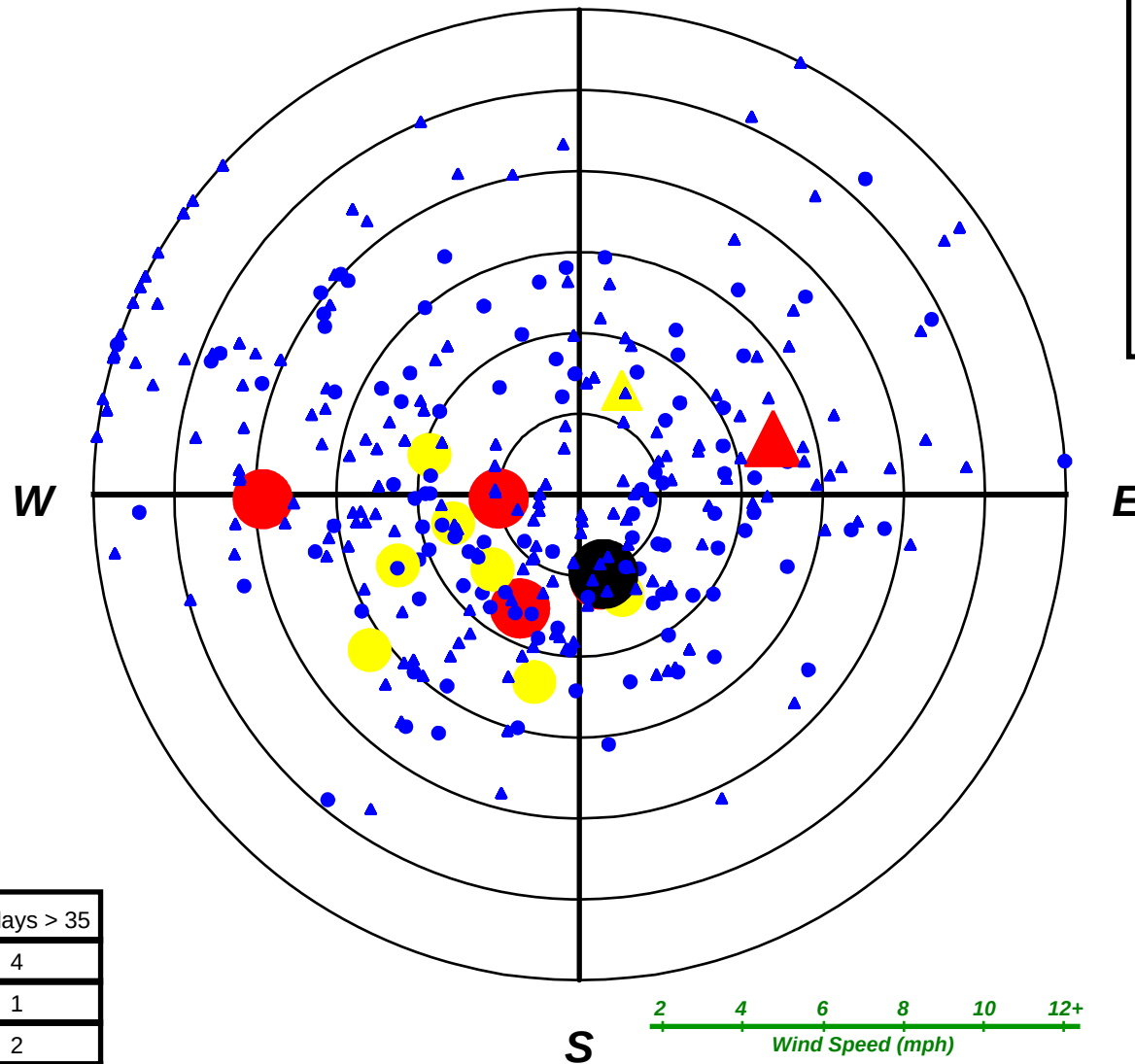
Year	98th %-ile	# days > 35
2005	31.4	1
2006	.	.
2007	.	.
Design Value	31-inc-a	

All exceedances plotted

Meteorological data from 12.9 miles away
ANDREWS_AFB (ID=13705)

**Baltimore, MD [Anne Arundel County, MD]
Pollution Rose, 2005-2007**

Site 240031003



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

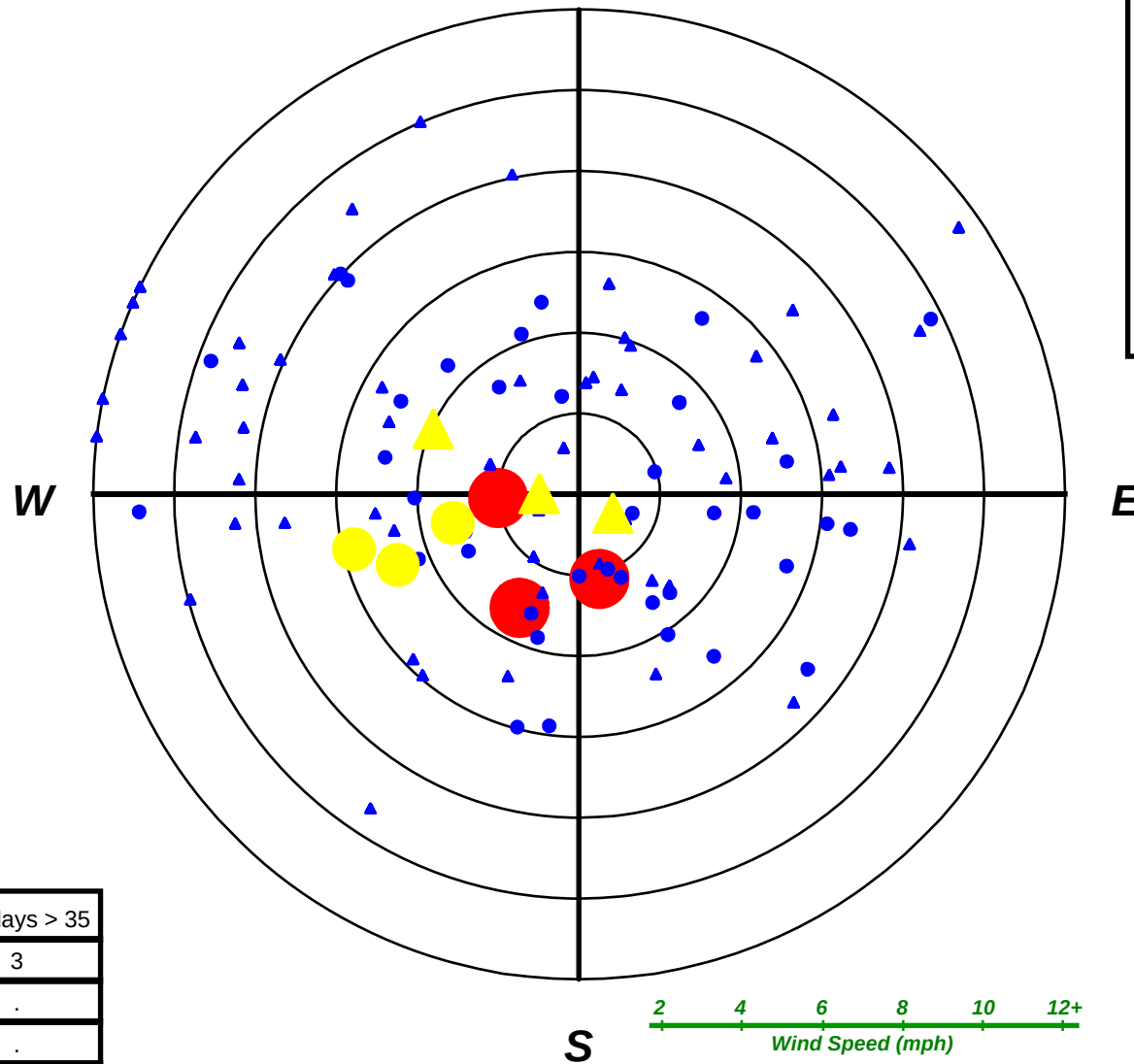
Year	98th %-ile	# days > 35
2005	36.2	4
2006	31.7	1
2007	34.8	2
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 3.0 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)*

**Baltimore, MD [Anne Arundel County, MD]
Pollution Rose, 2005-2007**

Site 240032002



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	36.4	3
2006	.	.
2007	.	.
Design Value	36-inc-na	

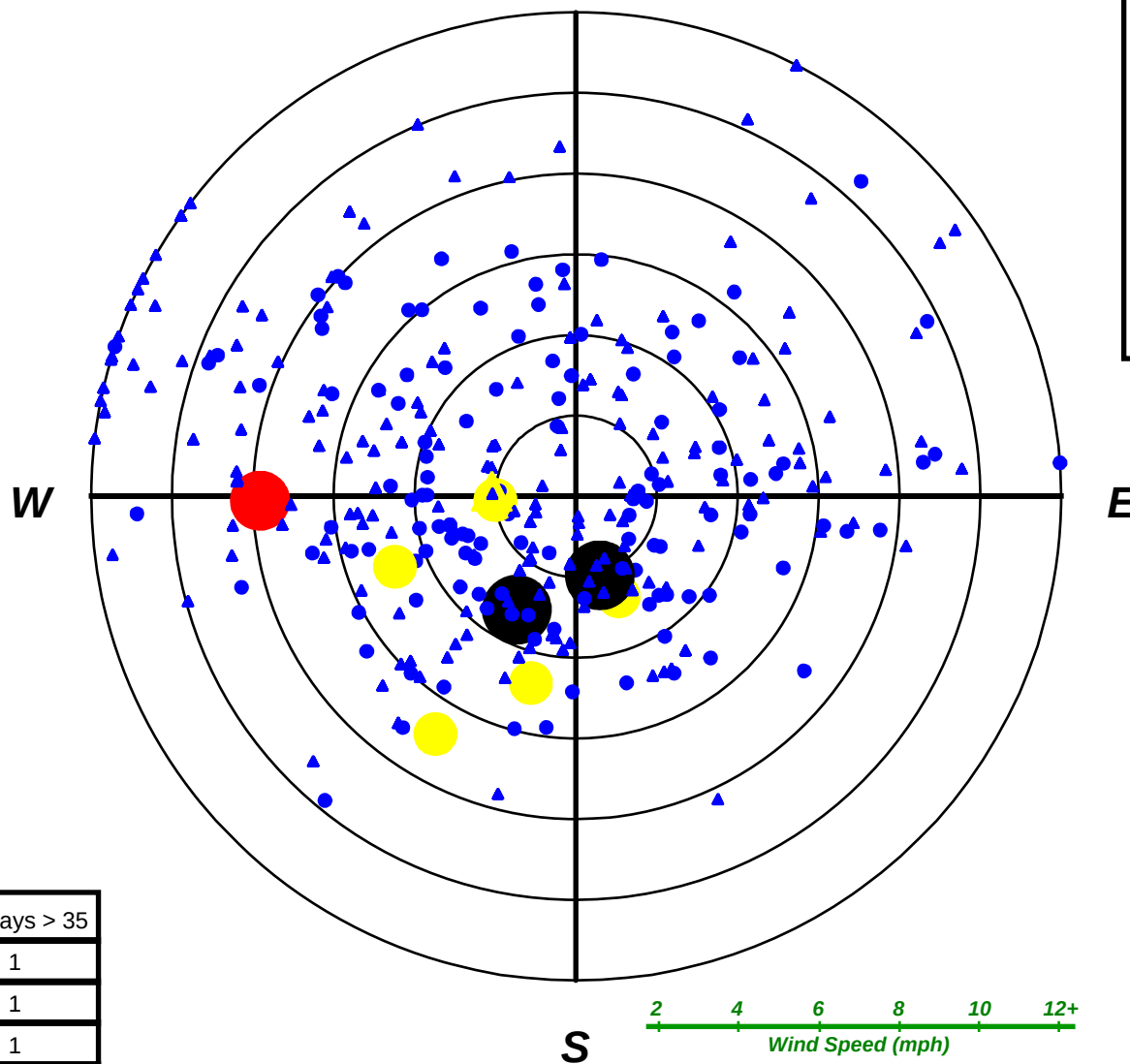
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 9.2 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)*

Baltimore, MD [Baltimore County, MD]
Pollution Rose, 2005-2007

Site 240051007



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

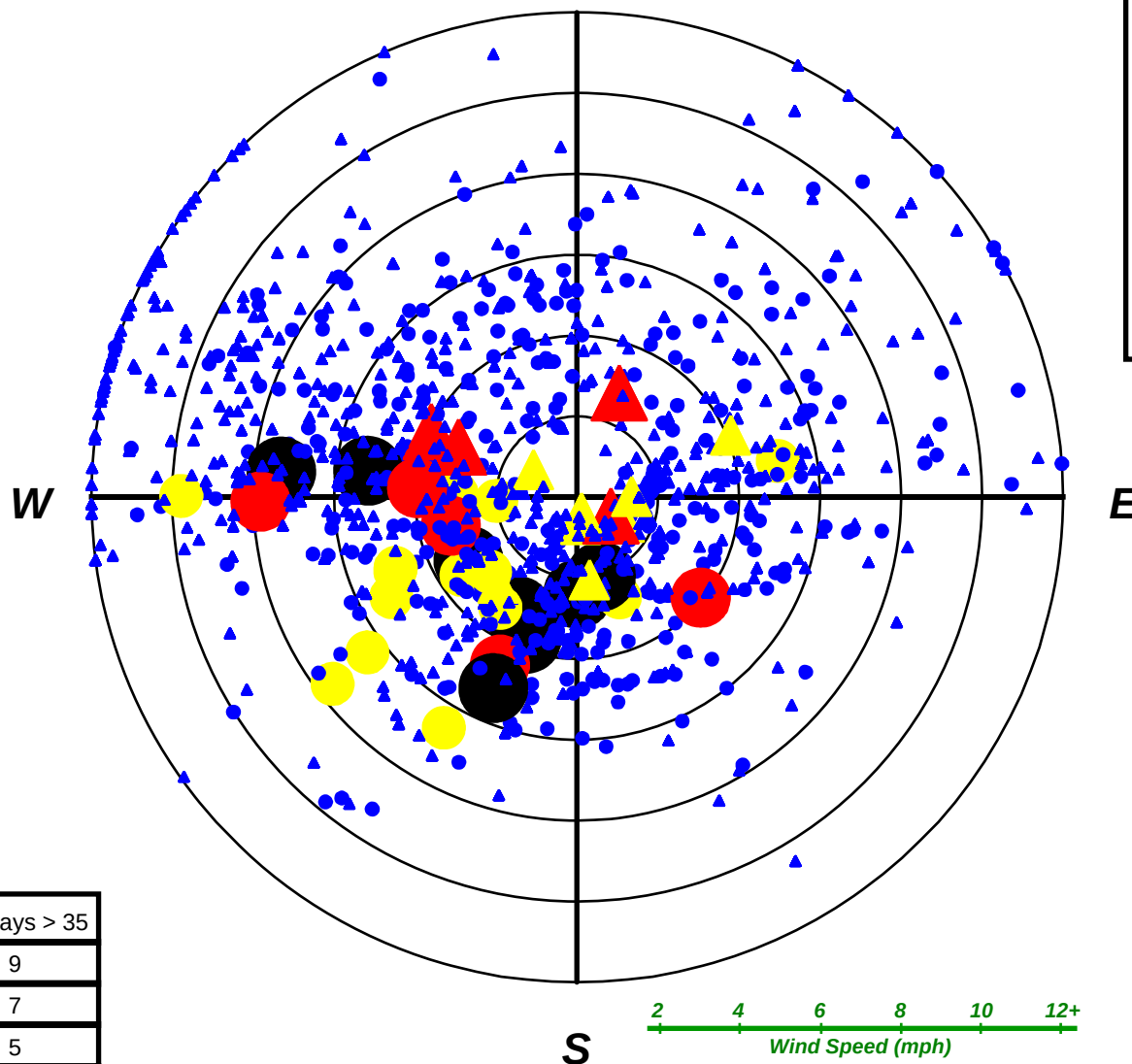
Year	98th %-ile	# days > 35
2005	34.0	1
2006	32.3	1
2007	31.5	1
Design Value	33-A	

All exceedances plotted

Meteorological data from 20.5 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)

Baltimore, MD [Baltimore County, MD]
Pollution Rose, 2005-2007

Site 240053001



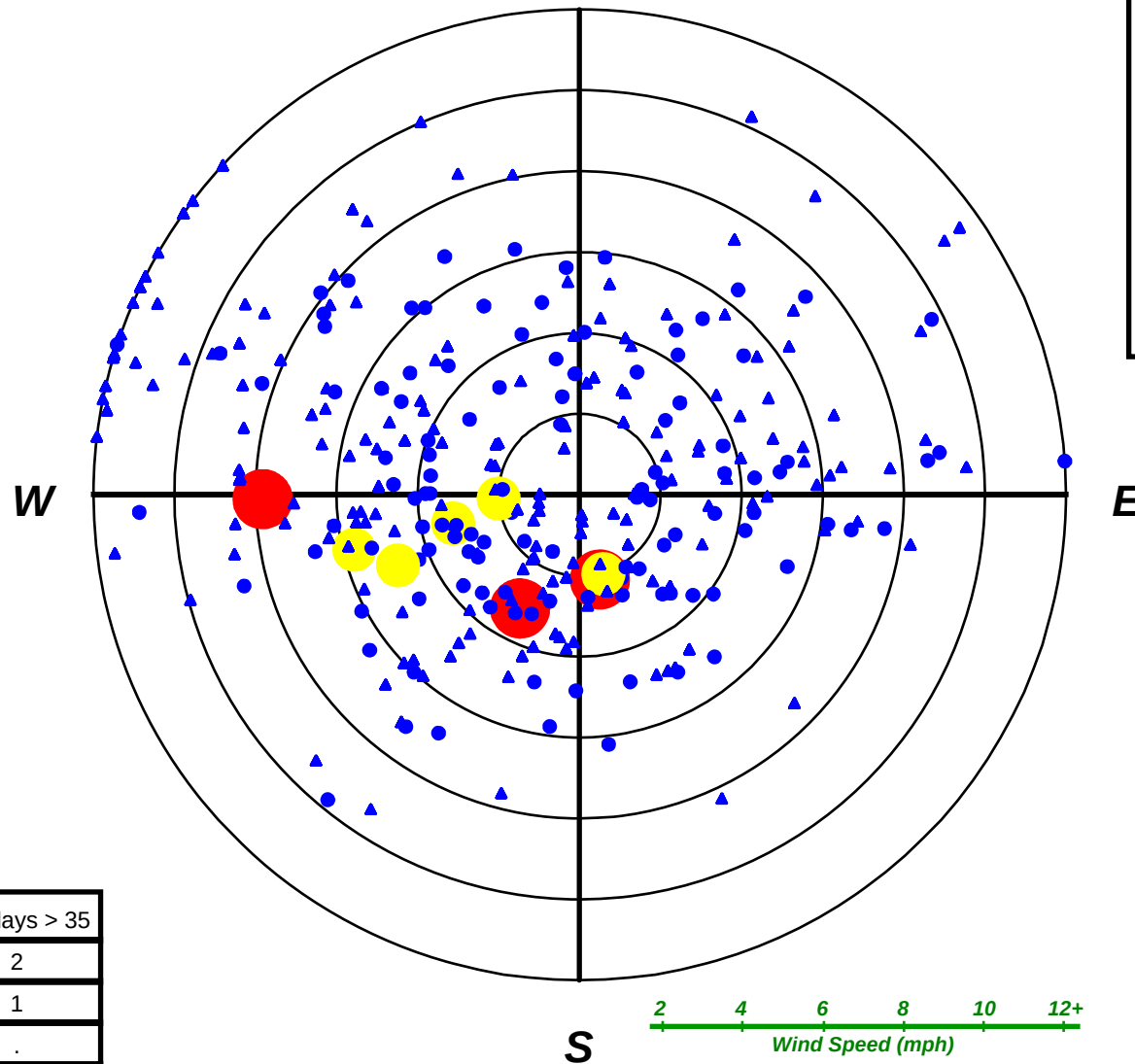
Year	98th %-ile	# days > 35
2005	36.2	9
2006	34.3	7
2007	34.2	5
Design Value	35-A	

4 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 14.9 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)

Baltimore, MD [Harford County, MD]
Pollution Rose, 2005-2007

Site 240251001



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	35.1	2
2006	28.8	1
2007	29.2	.
Design Value	31-A	

All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 26.6 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)

**Baltimore [Montgomery County, MD]
Pollution Rose, 2005-2007**

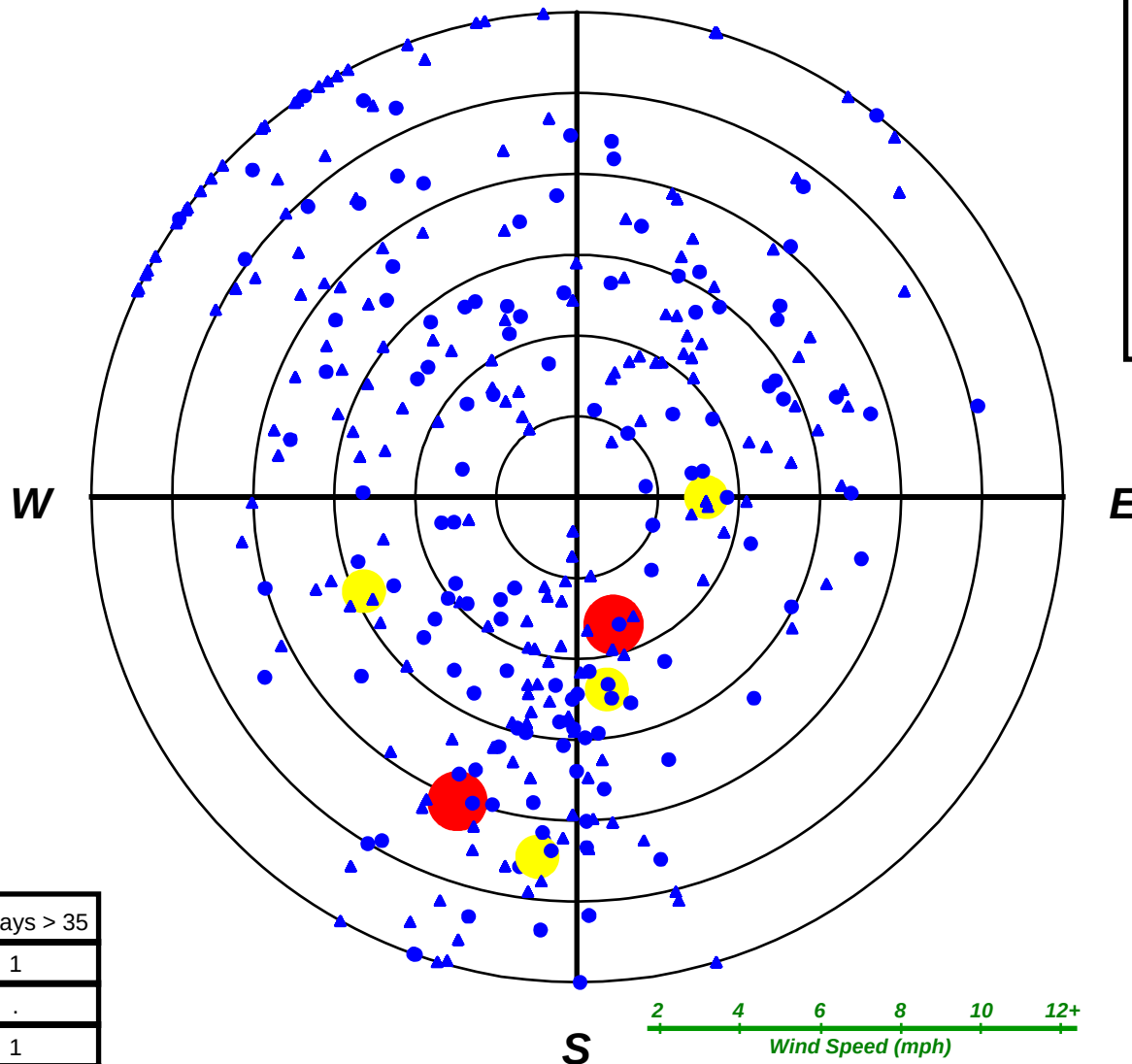
Site 240313001

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



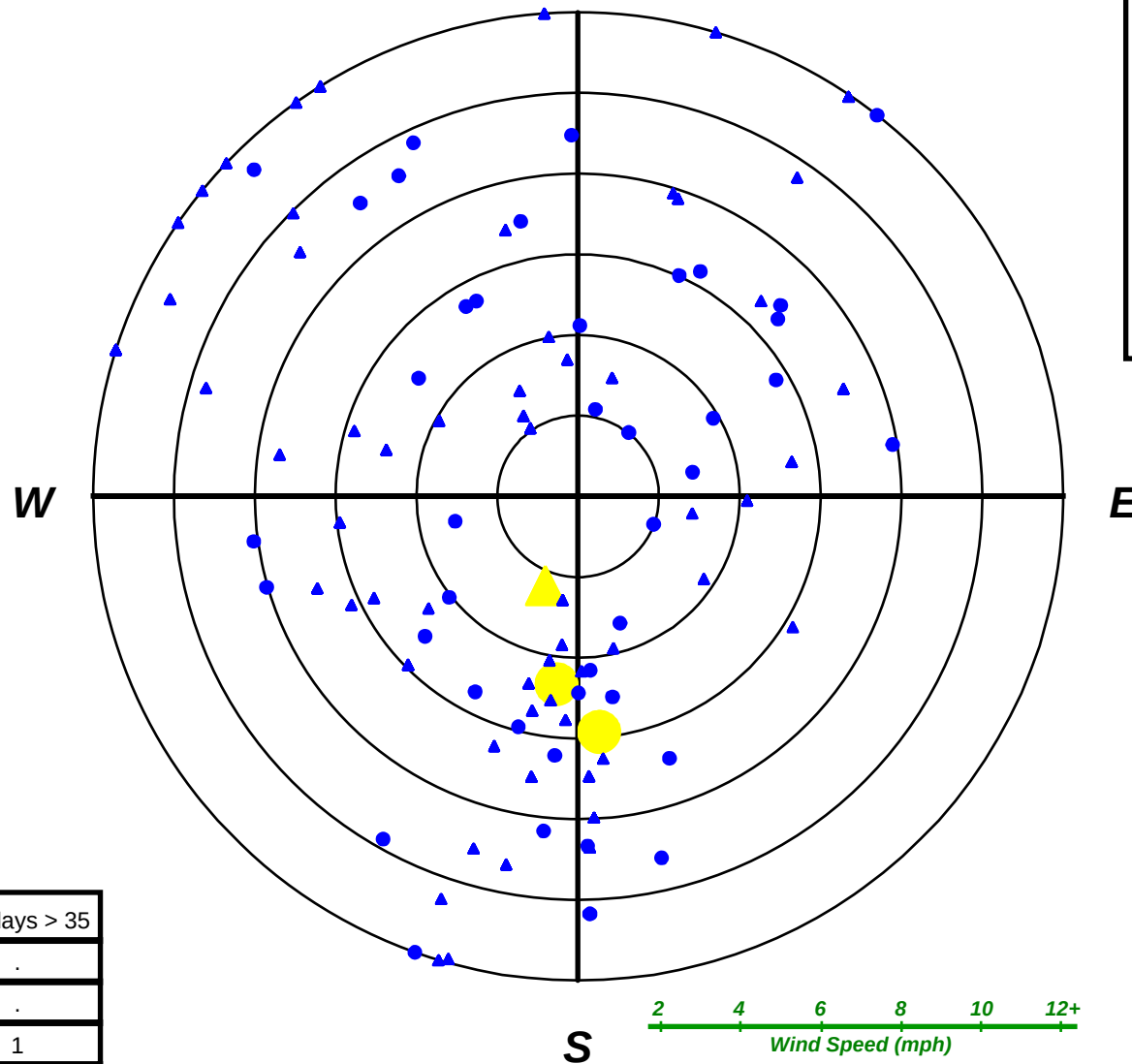
Year	98th %-ile	# days > 35
2004	31.7	1
2005	29.3	.
2006	29.2	1
Design Value	30-A	

All exceedances plotted

Meteorological data from 17.6 miles away
WASHINGTON_DC_REAGAN_AP (ID=13743)

**Baltimore [Prince Georges County, MD]
Pollution Rose, 2005-2007**

Site 240330025



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

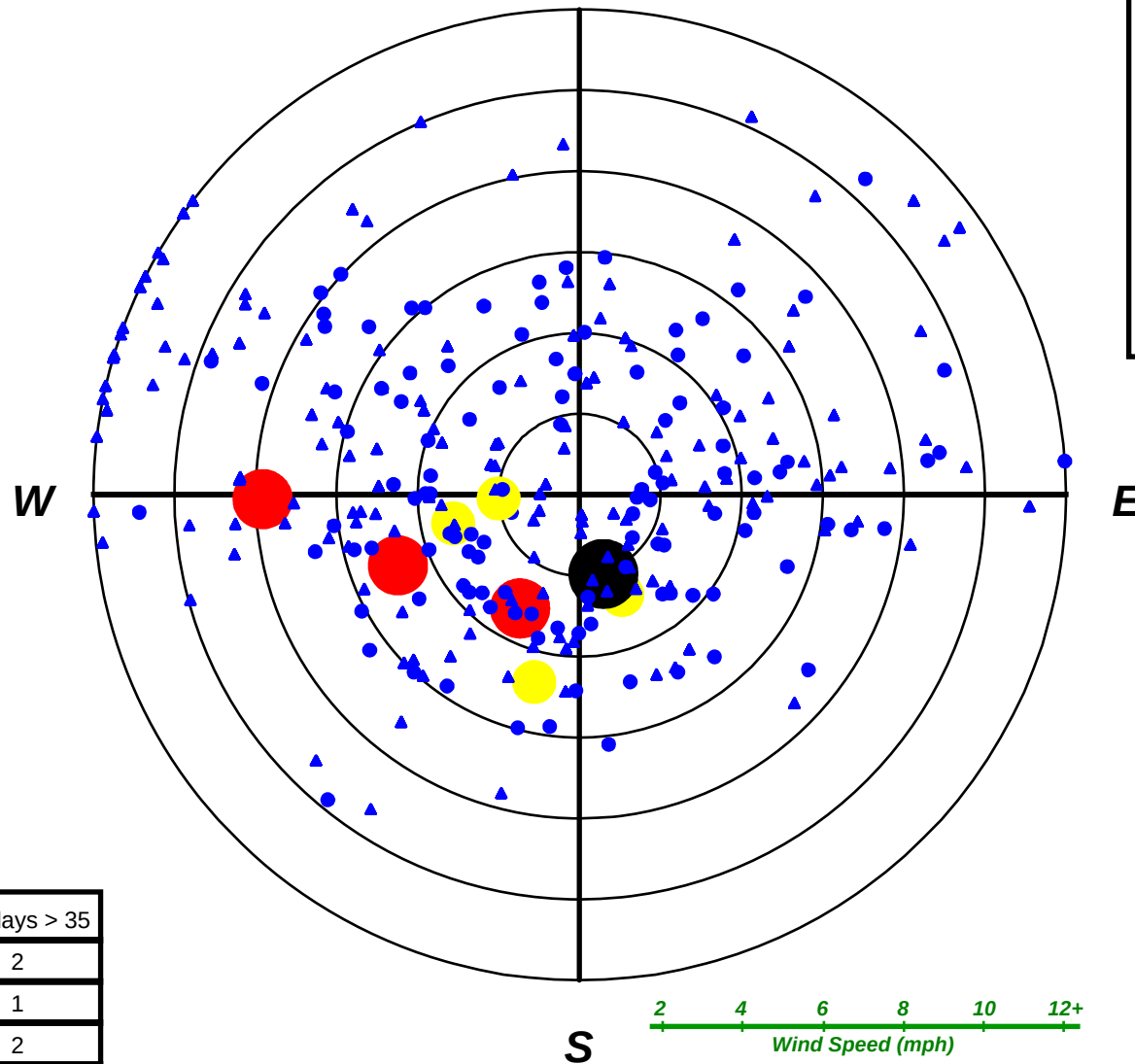
Year	98th %-ile	# days > 35
2004	.	.
2005	.	.
2006	31.5	1
Design Value	32-inc-a	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 7.4 miles away
WASHINGTON_DC_REAGAN_AP (ID=13743)

**Baltimore [Prince Georges County, MD]
Pollution Rose, 2005-2007**

Site 240330030



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

$\triangle$ cool (Oct-Apr)

$\bigcirc$ warm (May-Sep)

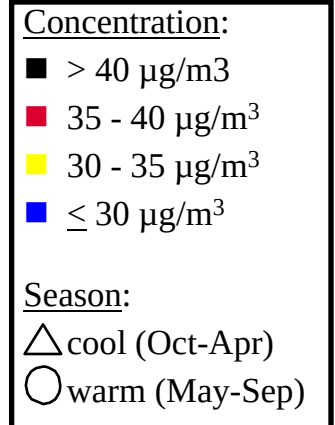
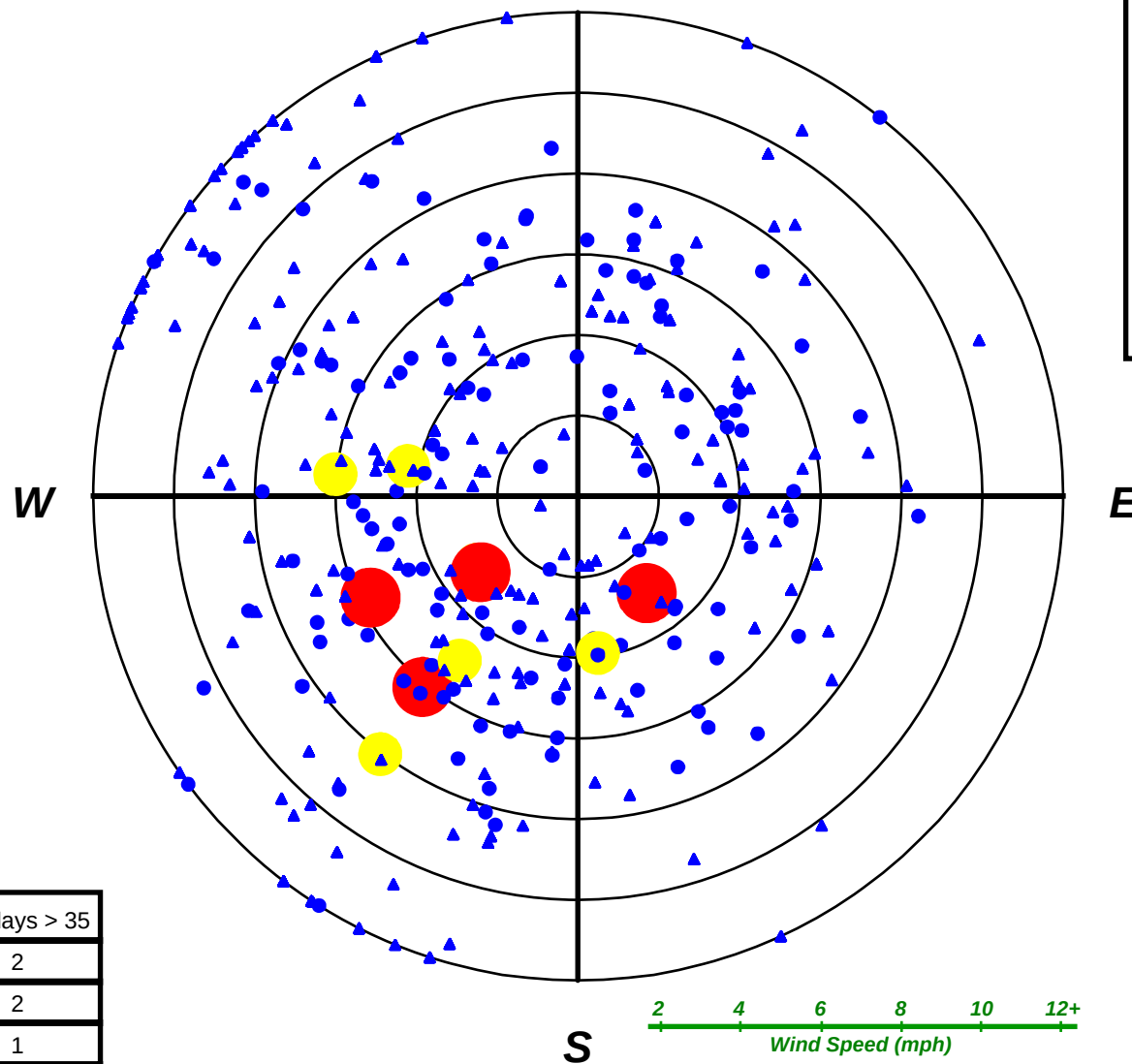
Year	98th %-ile	# days > 35
2004	32.4	2
2005	33.8	1
2006	29.0	2
Design Value	32-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 13.0 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)

**Baltimore [Prince Georges County, MD]
Pollution Rose, 2005-2007**

Site 240338003



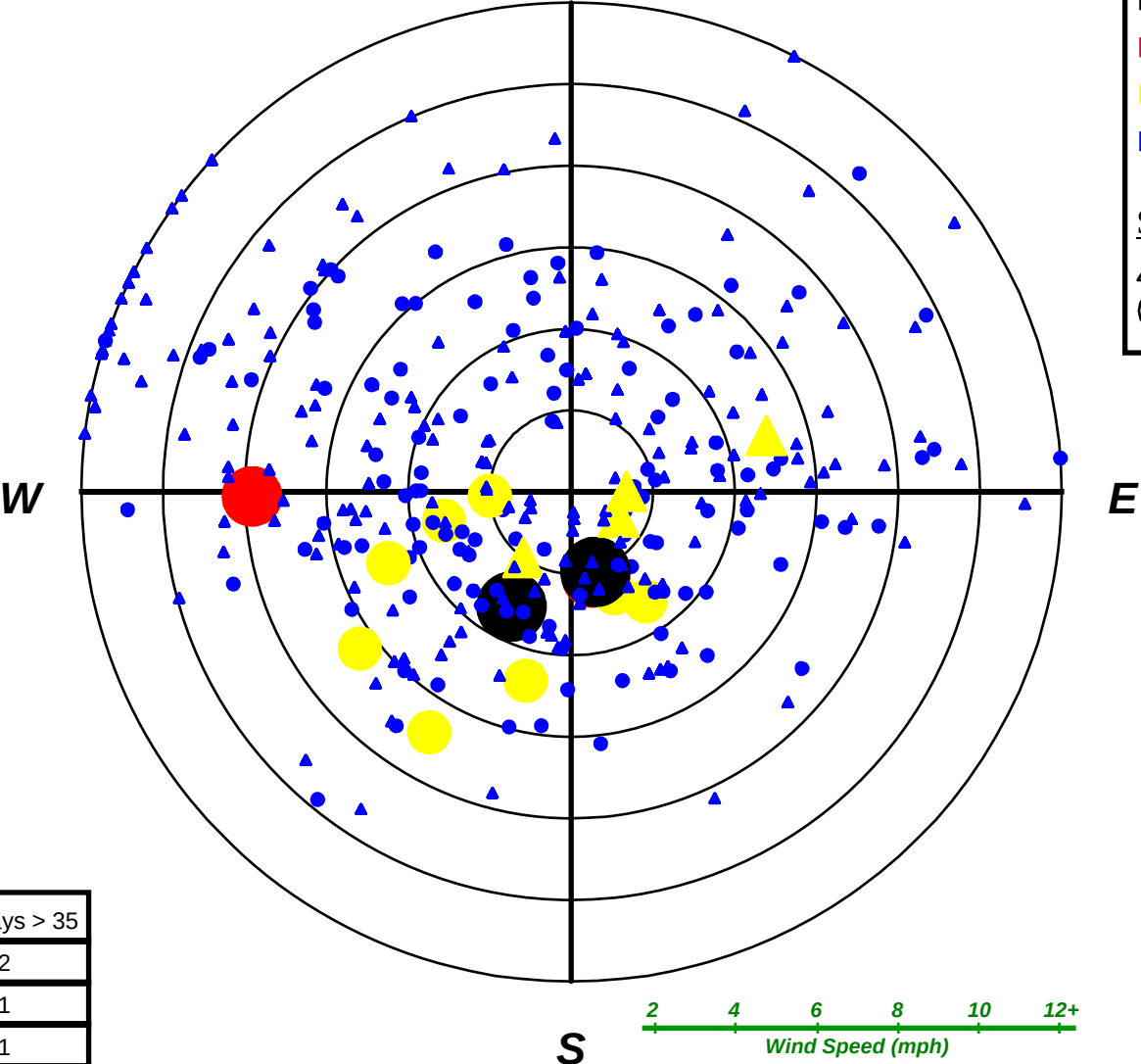
Year	98th %-ile	# days > 35
2004	30.9	2
2005	35.2	2
2006	30.9	1
Design Value	32-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.6 miles away
ANDREWS_AFB (ID=13705)

Baltimore, MD [Baltimore (City) County, MD]
Pollution Rose, 2005-2007

Site 245100006



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

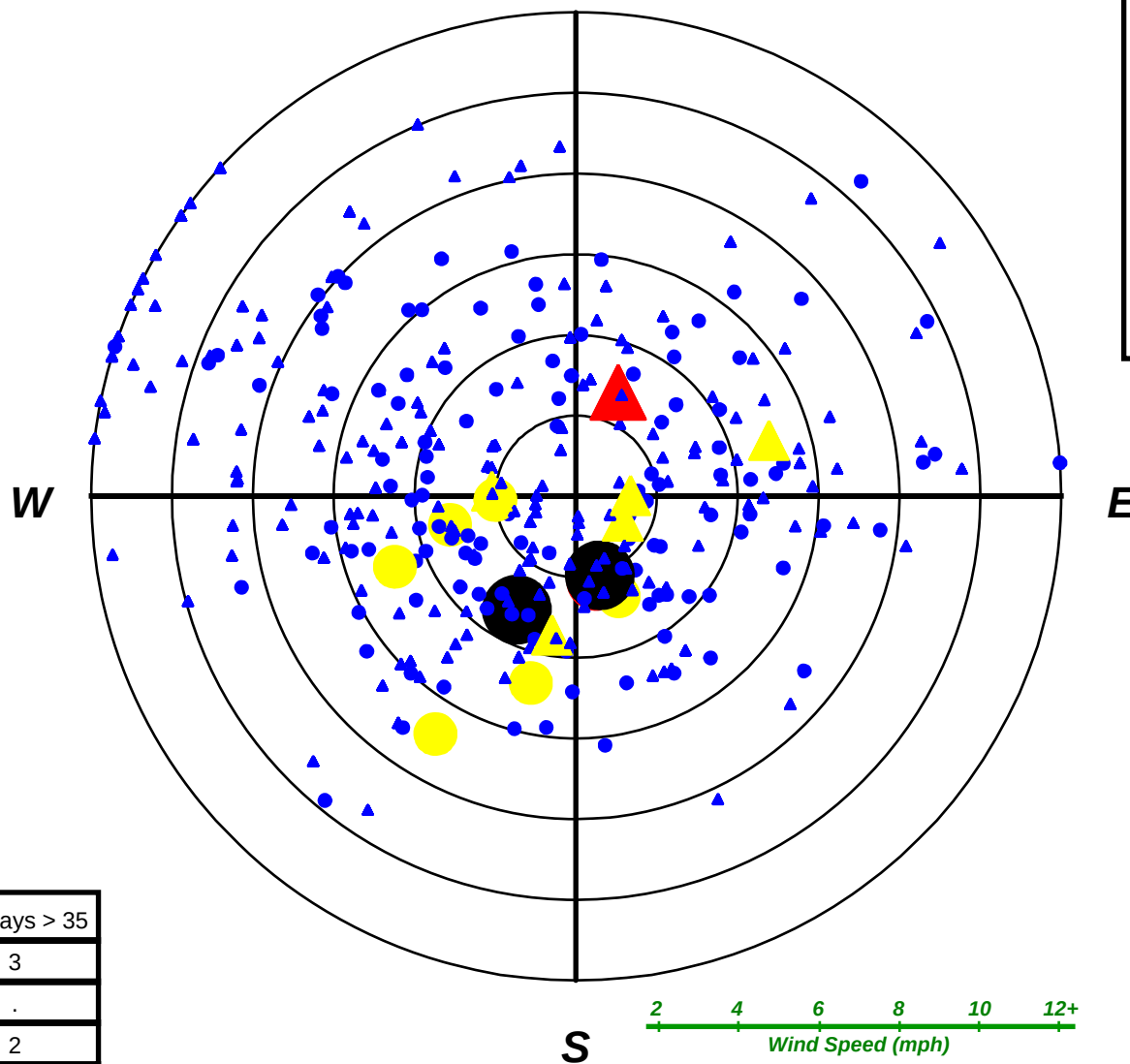
Year	98th %-ile	# days > 35
2005	33.3	2
2006	32.8	1
2007	32.7	1
Design Value	33-A	

All exceedances plotted

Meteorological data from 13.2 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)

**Baltimore, MD [Baltimore (City) County, MD]
Pollution Rose, 2005-2007**

Site 245100007



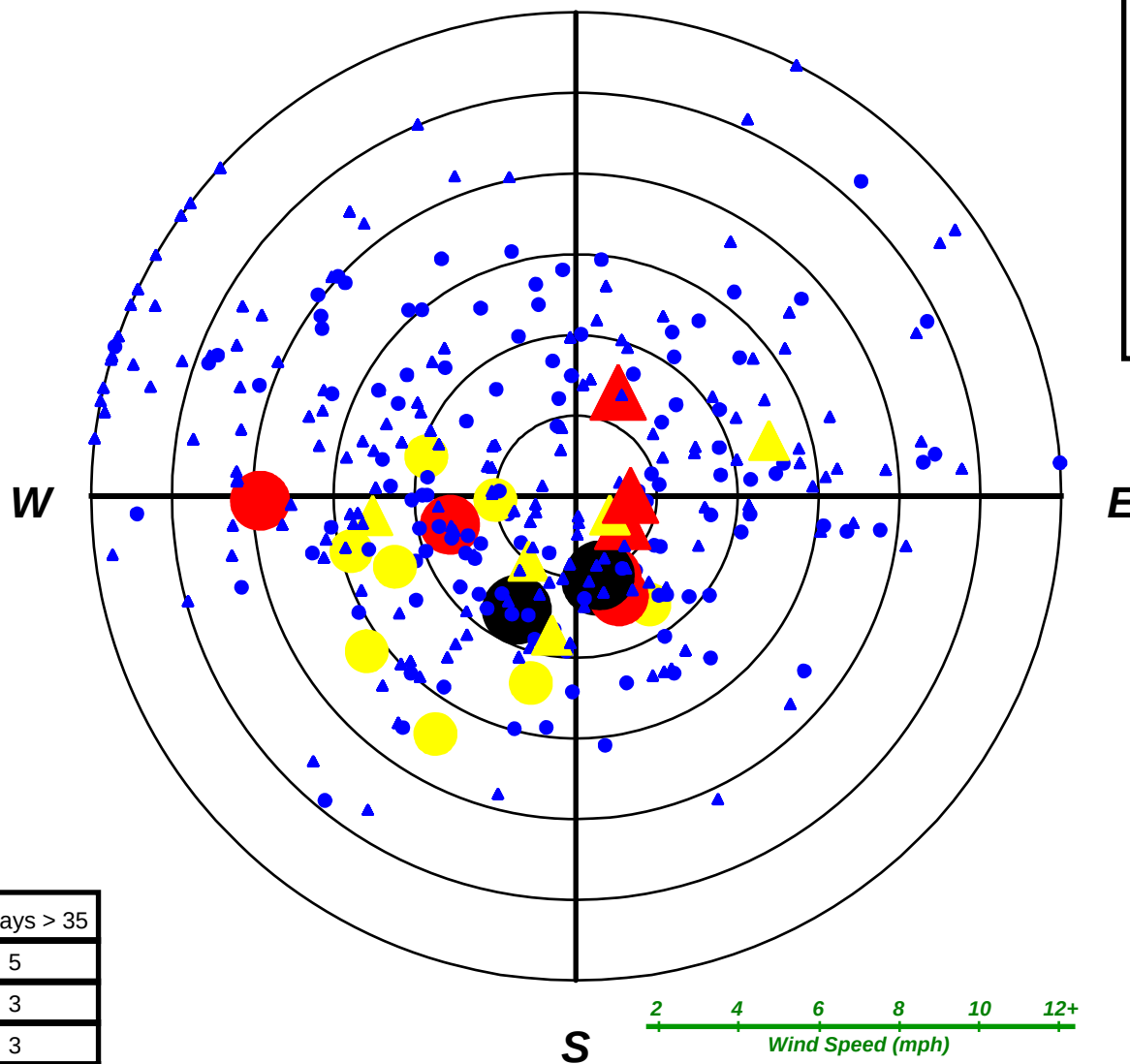
Year	98th %-ile	# days > 35
2005	35.5	3
2006	32.7	.
2007	34.3	2
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 12.3 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)*

**Baltimore, MD [Baltimore (City) County, MD]
Pollution Rose, 2005-2007**

Site 245100008



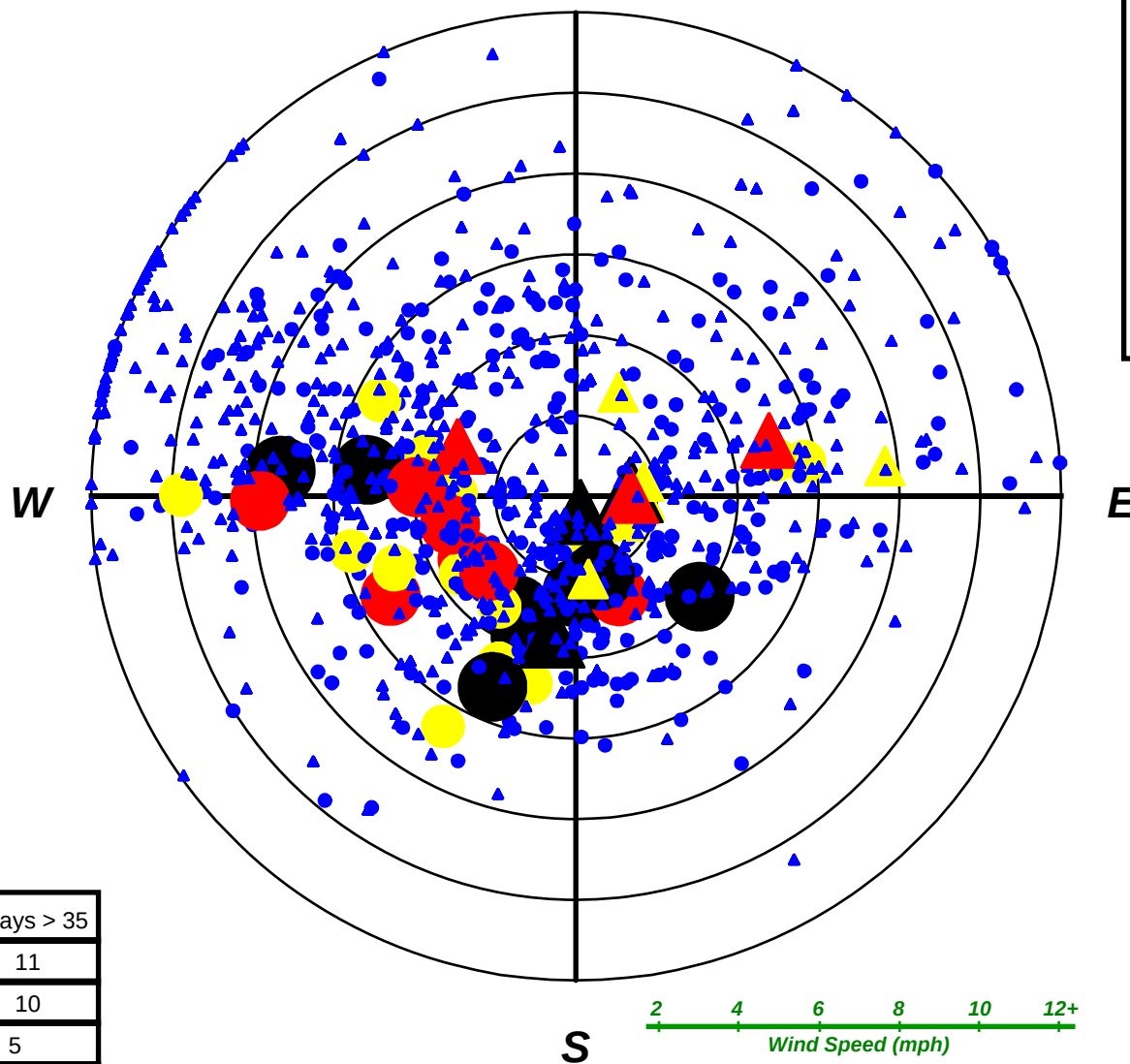
Year	98th %-ile	# days > 35
2005	39.4	5
2006	35.5	3
2007	36.3	3
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 11.1 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)

**Baltimore, MD [Baltimore (City) County, MD]
Pollution Rose, 2005-2007**

Site 245100035



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	37.5	11
2006	37.3	10
2007	33.9	5
Design Value	36-NA	

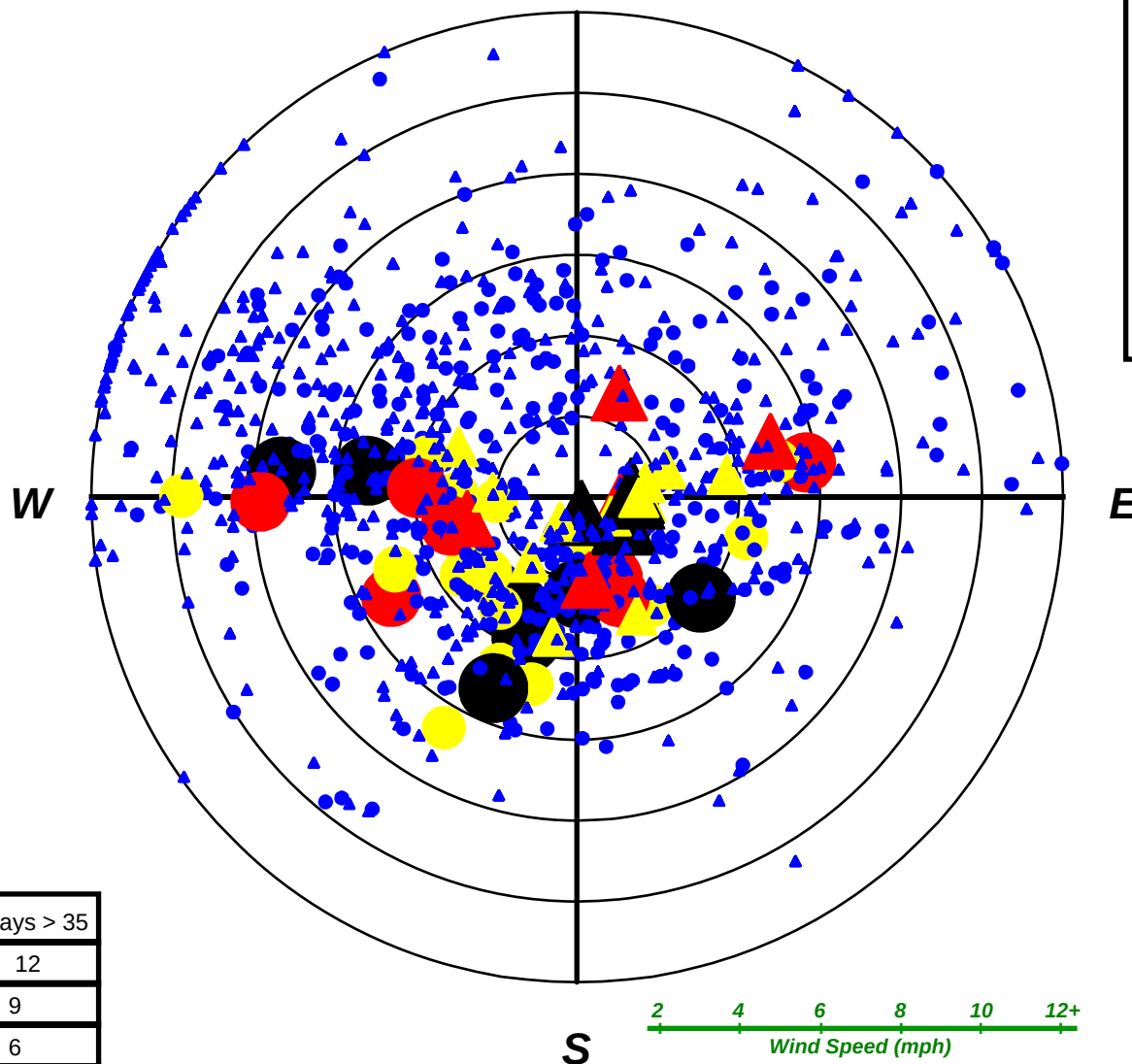
4 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 7.2 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)*

Baltimore, MD [Baltimore (City) County, MD]
Pollution Rose, 2005-2007

Site 245100040



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	40.1	12
2006	36.1	9
2007	35.2	6
Design Value	37-NA	

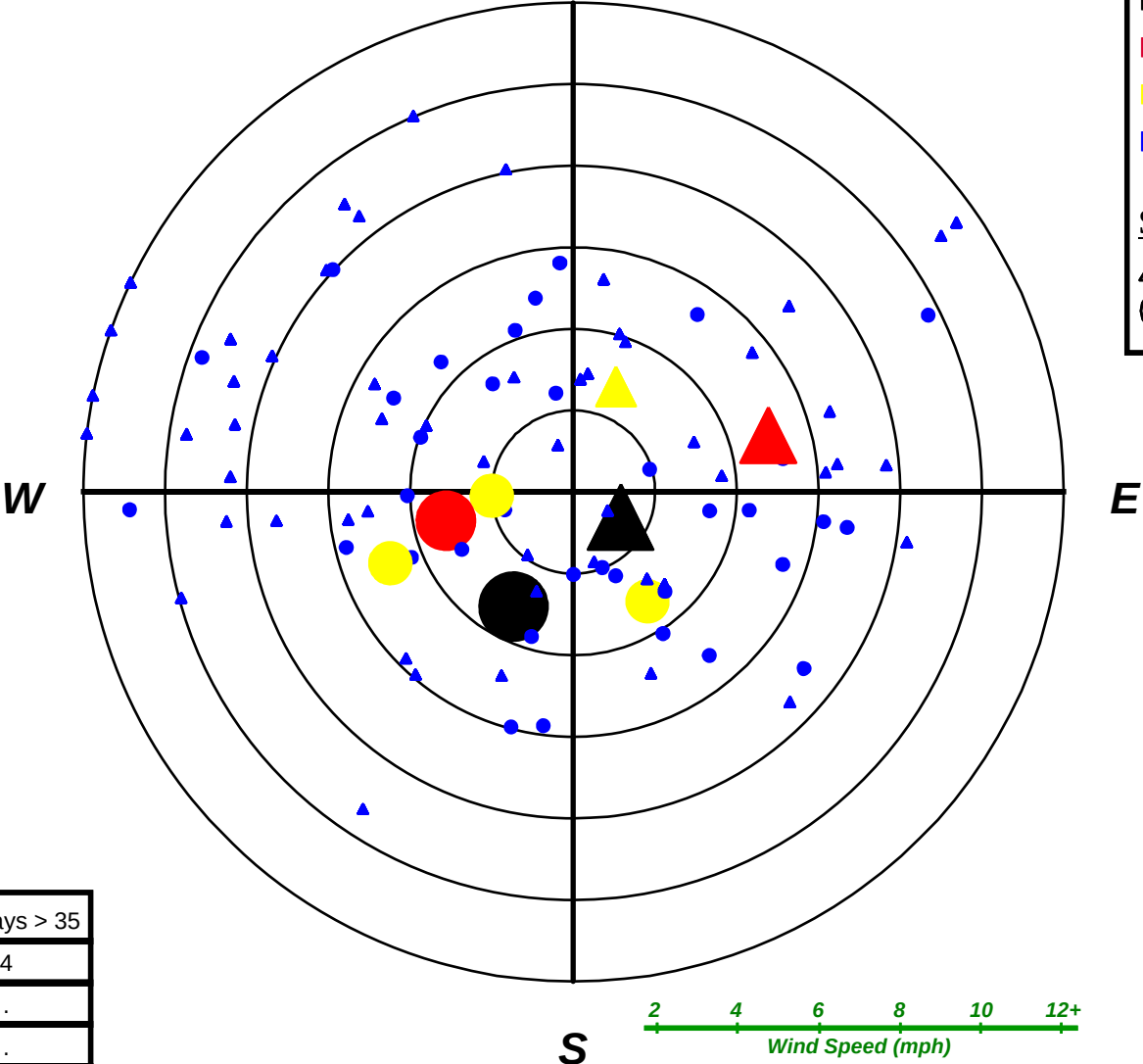
3 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 10.0 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)

Baltimore, MD [Baltimore (City) County, MD]
Pollution Rose, 2005-2007

Site 245100049



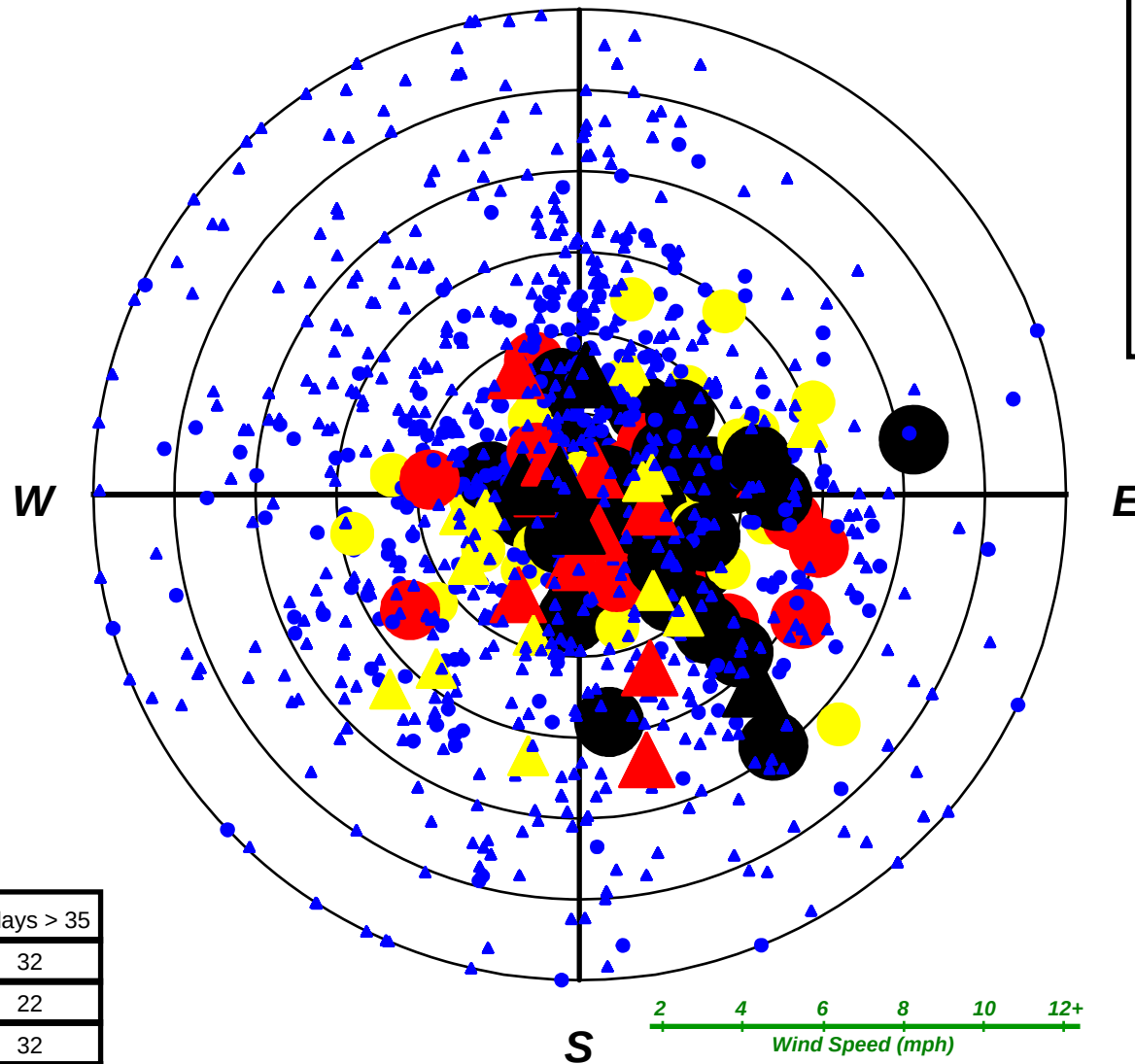
Year	98th %-ile	# days > 35
2005	36.5	4
2006	.	.
2007	.	.
Design Value	37-inc-na	

All exceedances plotted

Meteorological data from 7.0 miles away
BALTIMORE_BLT-WASHNGTN_INT'L (ID=93721)

**Birmingham, AL [Jefferson County, AL]
Pollution Rose, 2005-2007**

Site 010730023



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

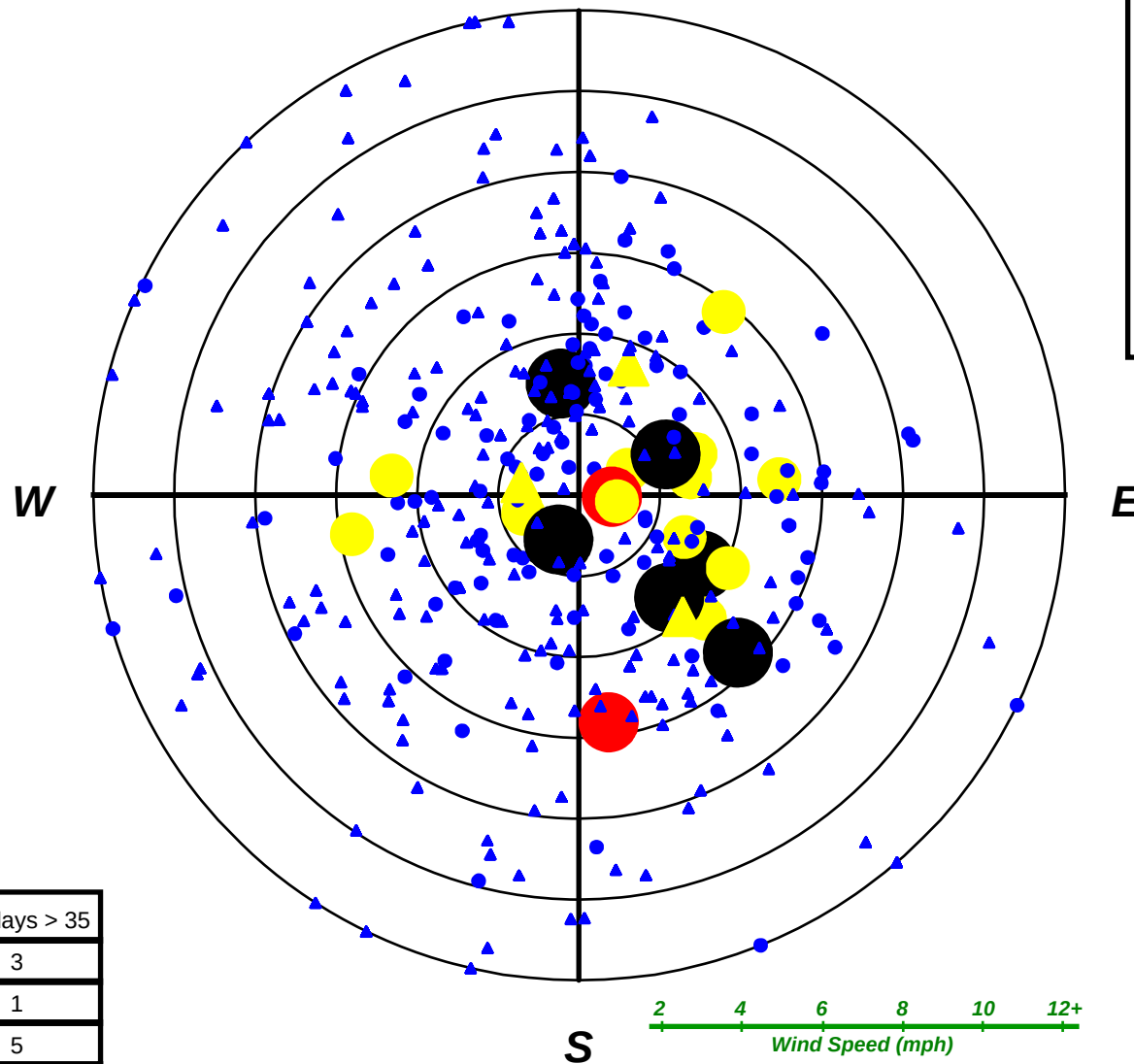
Year	98th %-ile	# days > 35
2005	50.3	32
2006	39.6	22
2007	49.4	32
Design Value	46-NA	

15 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 3.9 miles away
BIRMINGHAM_MUNICIPAL_AP (ID=13876)

**Birmingham, AL [Jefferson County, AL]
Pollution Rose, 2005-2007**

Site 010731005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

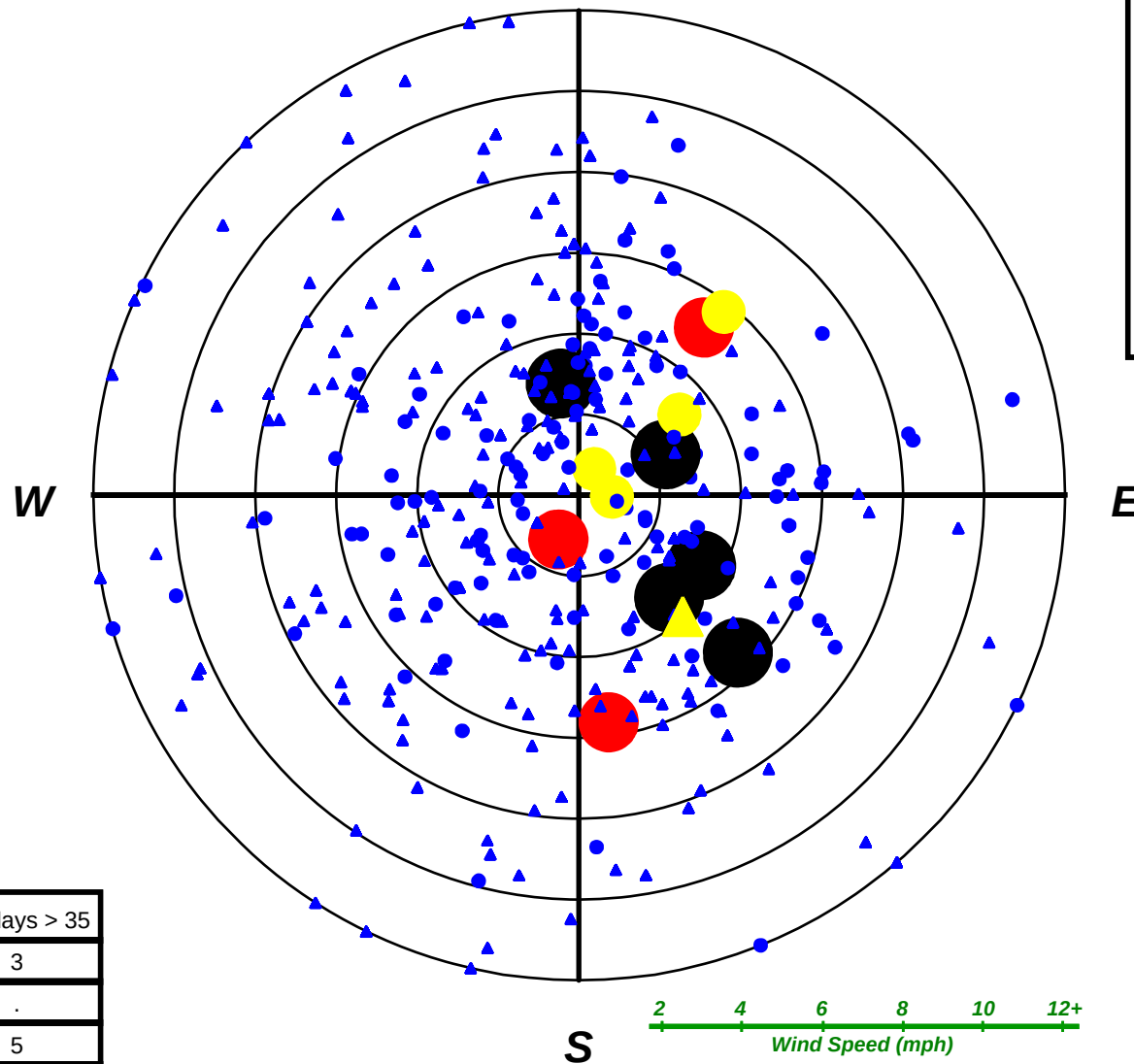
Year	98th %-ile	# days > 35
2005	35.5	3
2006	33.9	1
2007	42.1	5
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 21.9 miles away
BIRMINGHAM_MUNICIPAL_AP (ID=13876)

**Birmingham, AL [Jefferson County, AL]
Pollution Rose, 2005-2007**

Site 010731009



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	39.8	3
2006	32.7	.
2007	40.6	5
Design Value	38-NA	

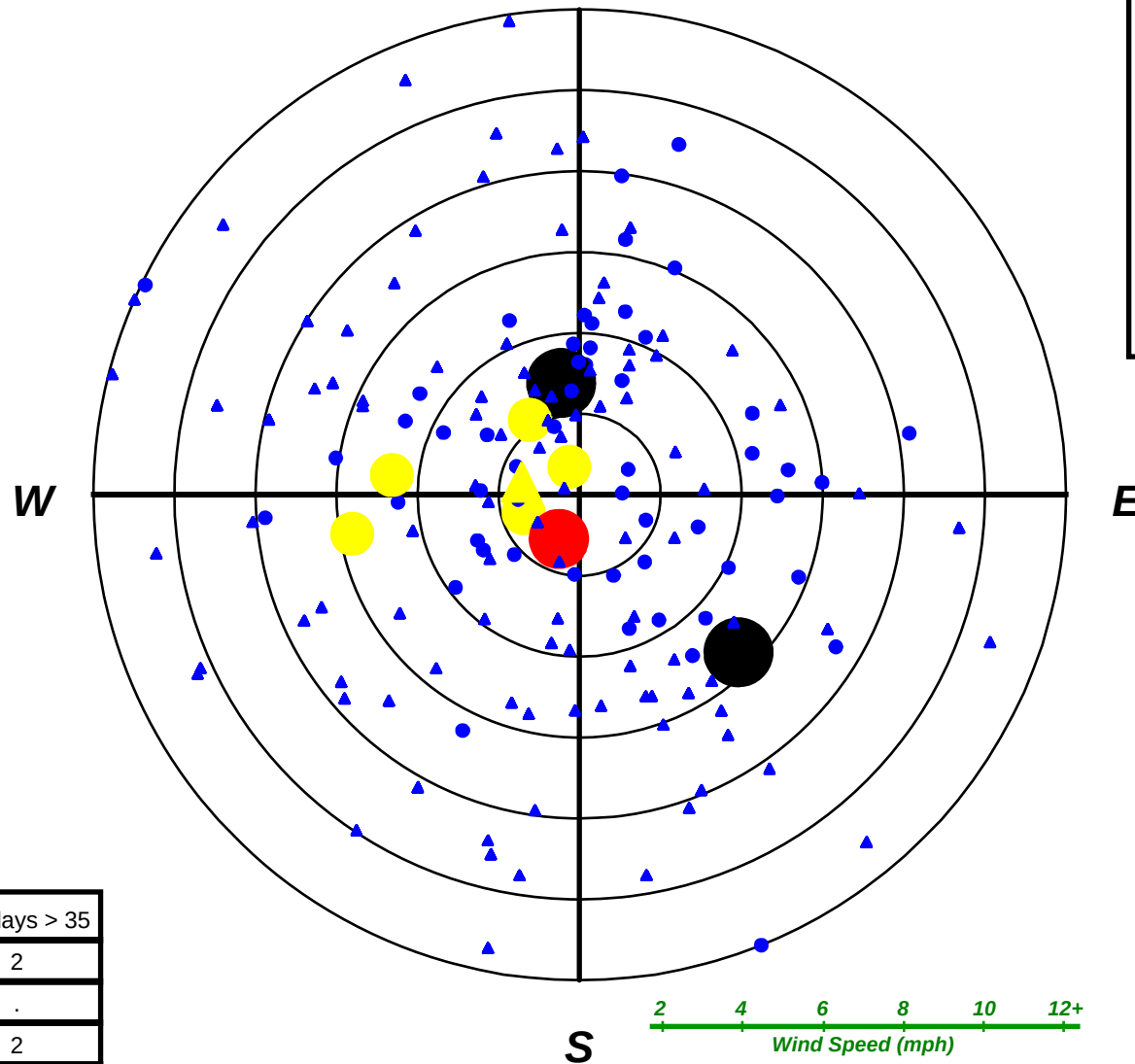
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 32.9 miles away
BIRMINGHAM_MUNICIPAL_AP (ID=13876)*

**Birmingham, AL [Jefferson County, AL]
Pollution Rose, 2005-2007**

Site 010731010



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

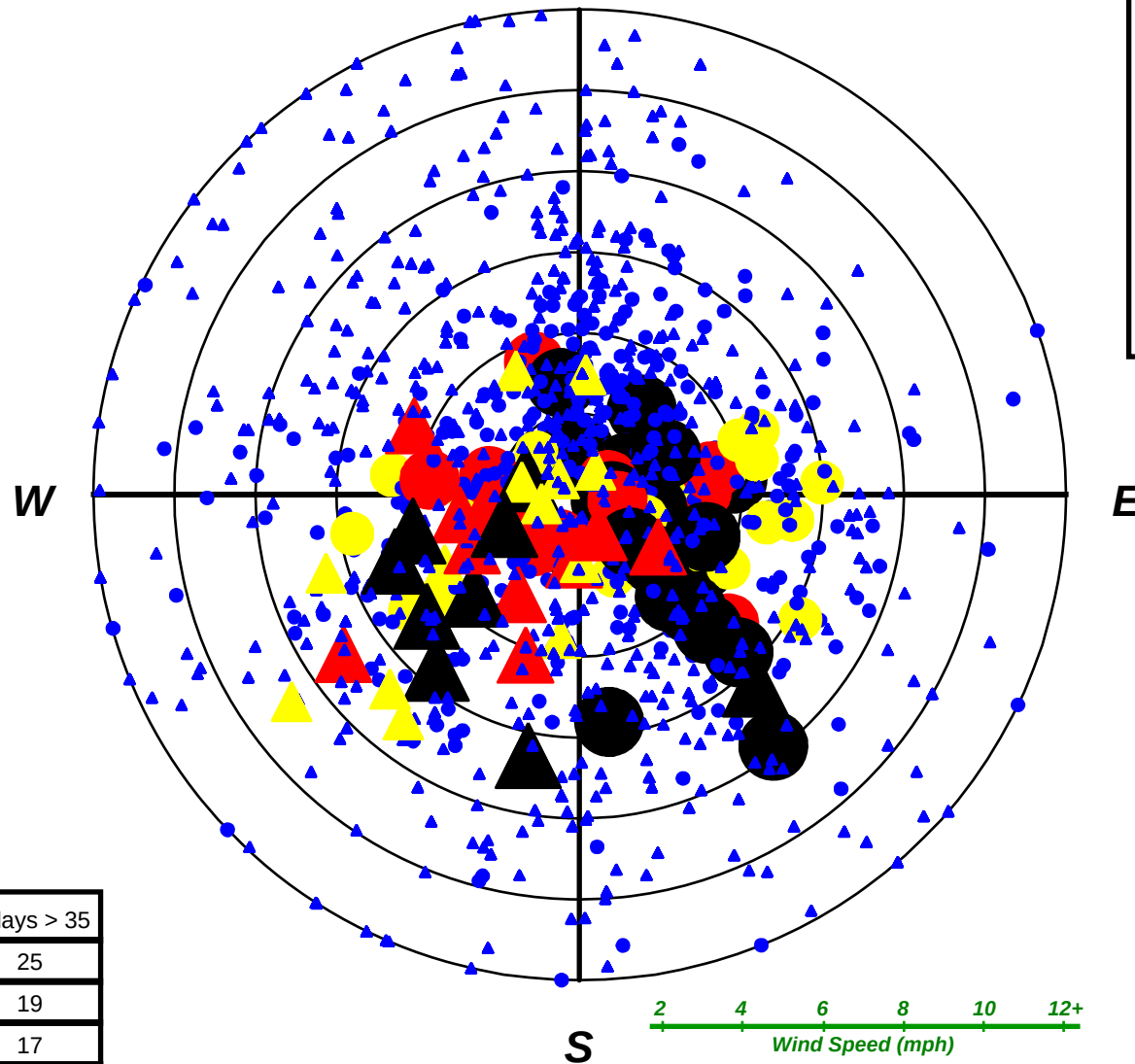
Year	98th %-ile	# days > 35
2005	37.6	2
2006	32.5	.
2007	39.0	2
Design Value	36-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 11.7 miles away
BIRMINGHAM_MUNICIPAL_AP (ID=13876)

**Birmingham, AL [Jefferson County, AL]
Pollution Rose, 2005-2007**

Site 010732003



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	44.5	25
2006	40.3	19
2007	44.2	17
Design Value	43-NA	

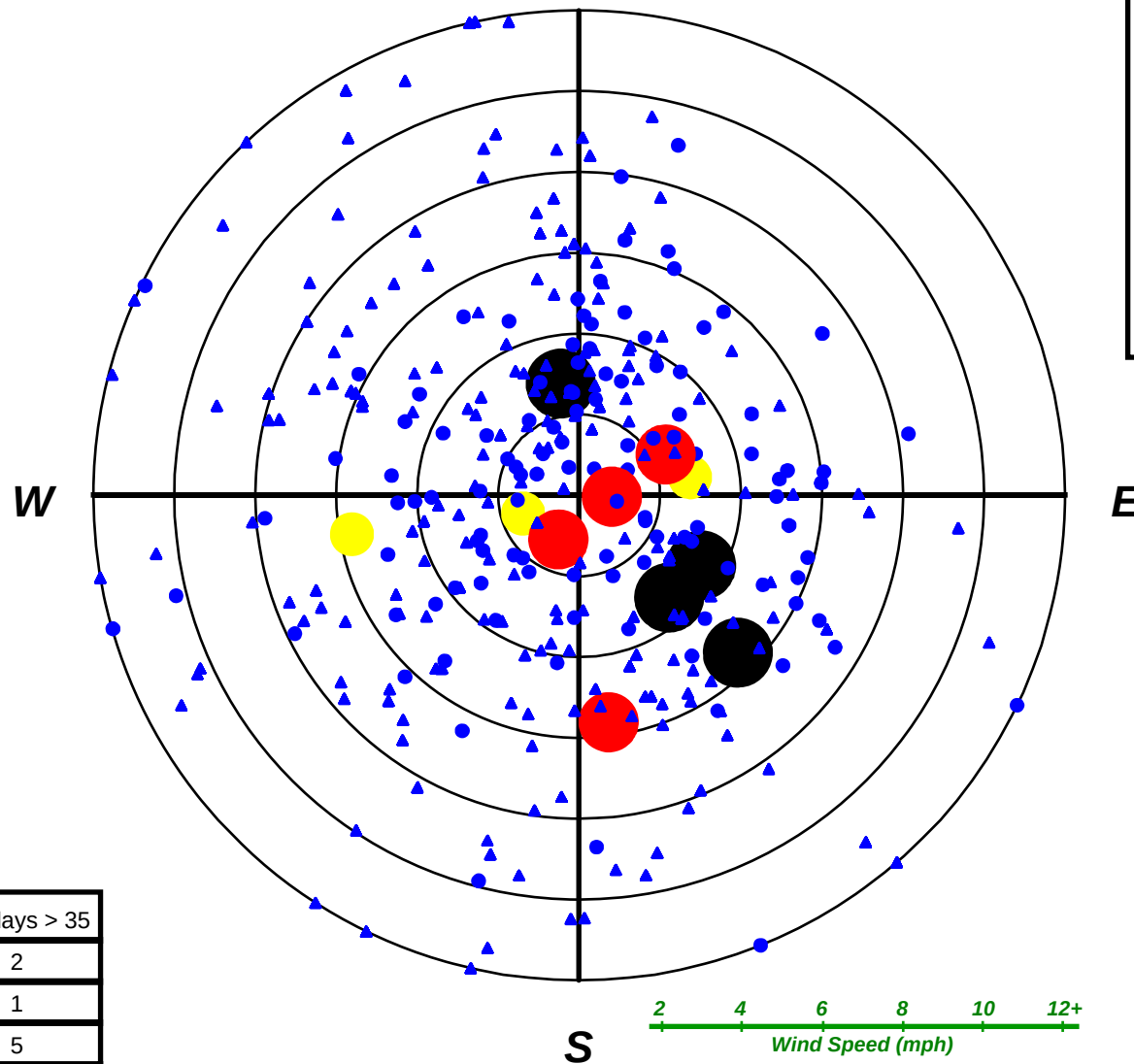
6 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 11.1 miles away
BIRMINGHAM_MUNICIPAL_AP (ID=13876)*

**Birmingham, AL [Jefferson County, AL]
Pollution Rose, 2005-2007**

Site 010732006



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

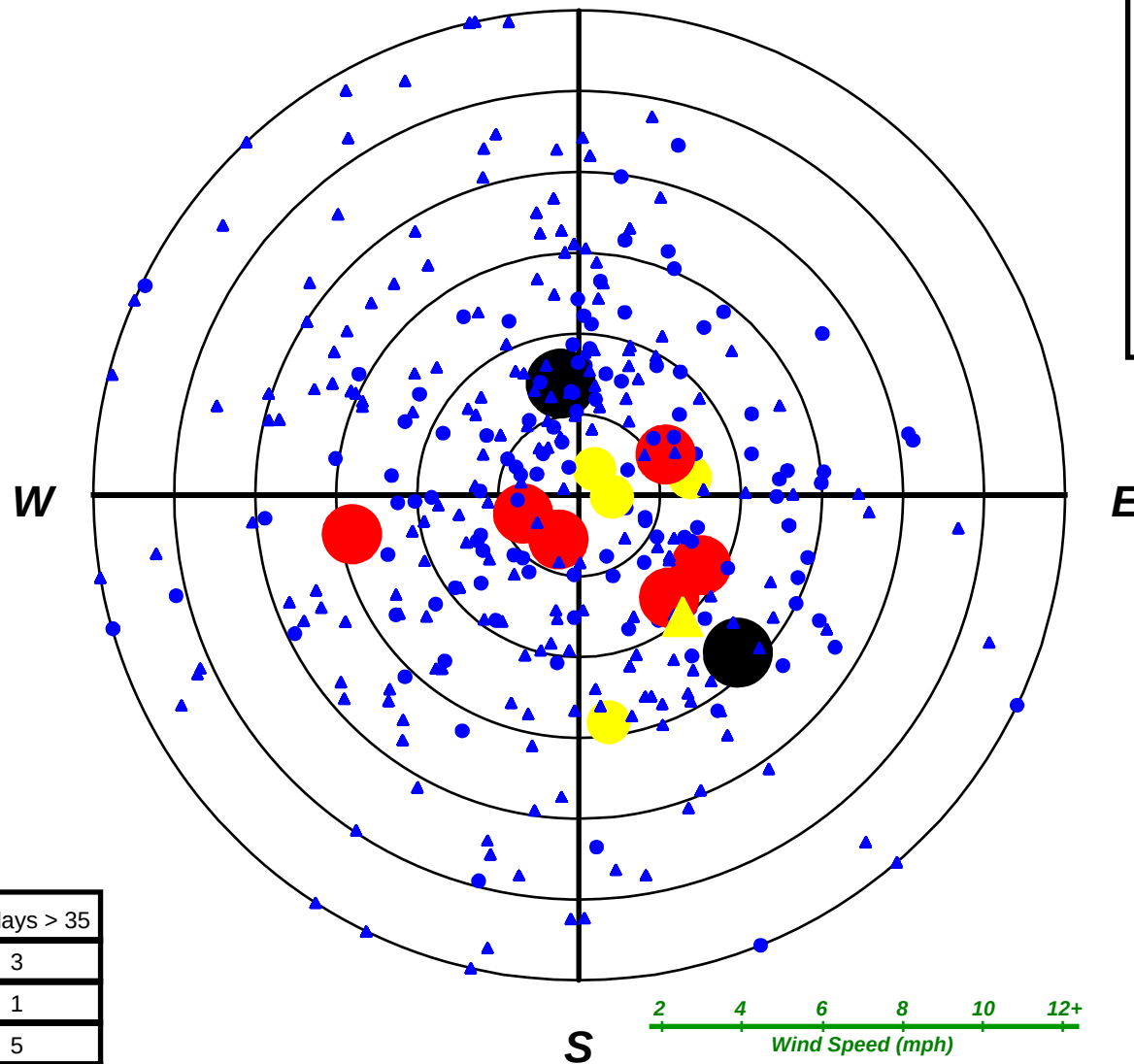
Year	98th %-ile	# days > 35
2005	34.3	2
2006	31.9	1
2007	40.2	5
Design Value	35-A	

All exceedances plotted

Meteorological data from 13.1 miles away
BIRMINGHAM_MUNICIPAL_AP (ID=13876)

**Birmingham, AL [Jefferson County, AL]
Pollution Rose, 2005-2007**

Site 010735002



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	37.2	3
2006	33.2	1
2007	38.3	5
Design Value	36-NA	

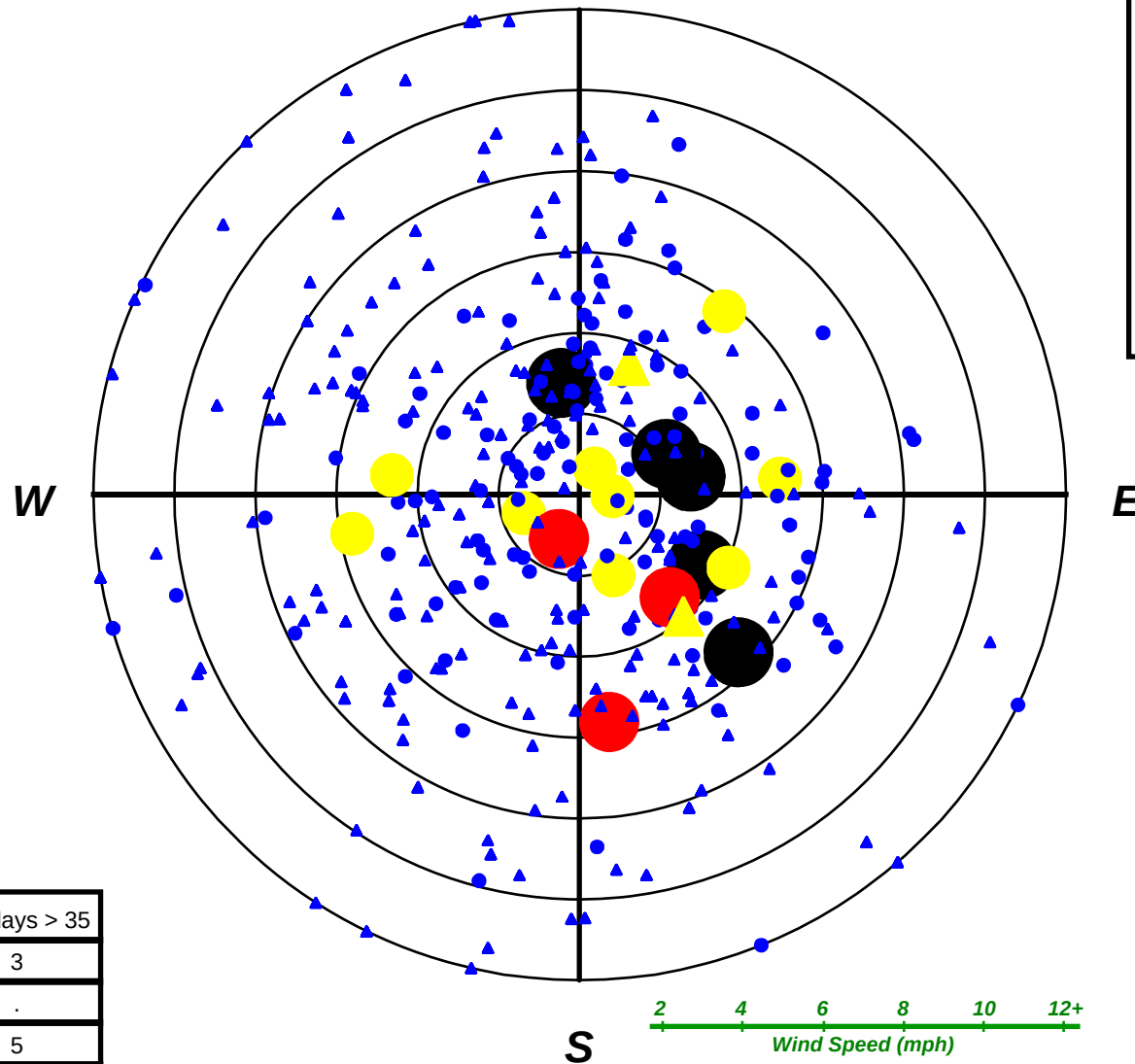
1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 10.6 miles away
BIRMINGHAM_MUNICIPAL_AP (ID=13876)*

**Birmingham, AL [Jefferson County, AL]
Pollution Rose, 2005-2007**

Site 010735003



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	41.8	3
2006	33.4	.
2007	38.6	5
Design Value	38-NA	

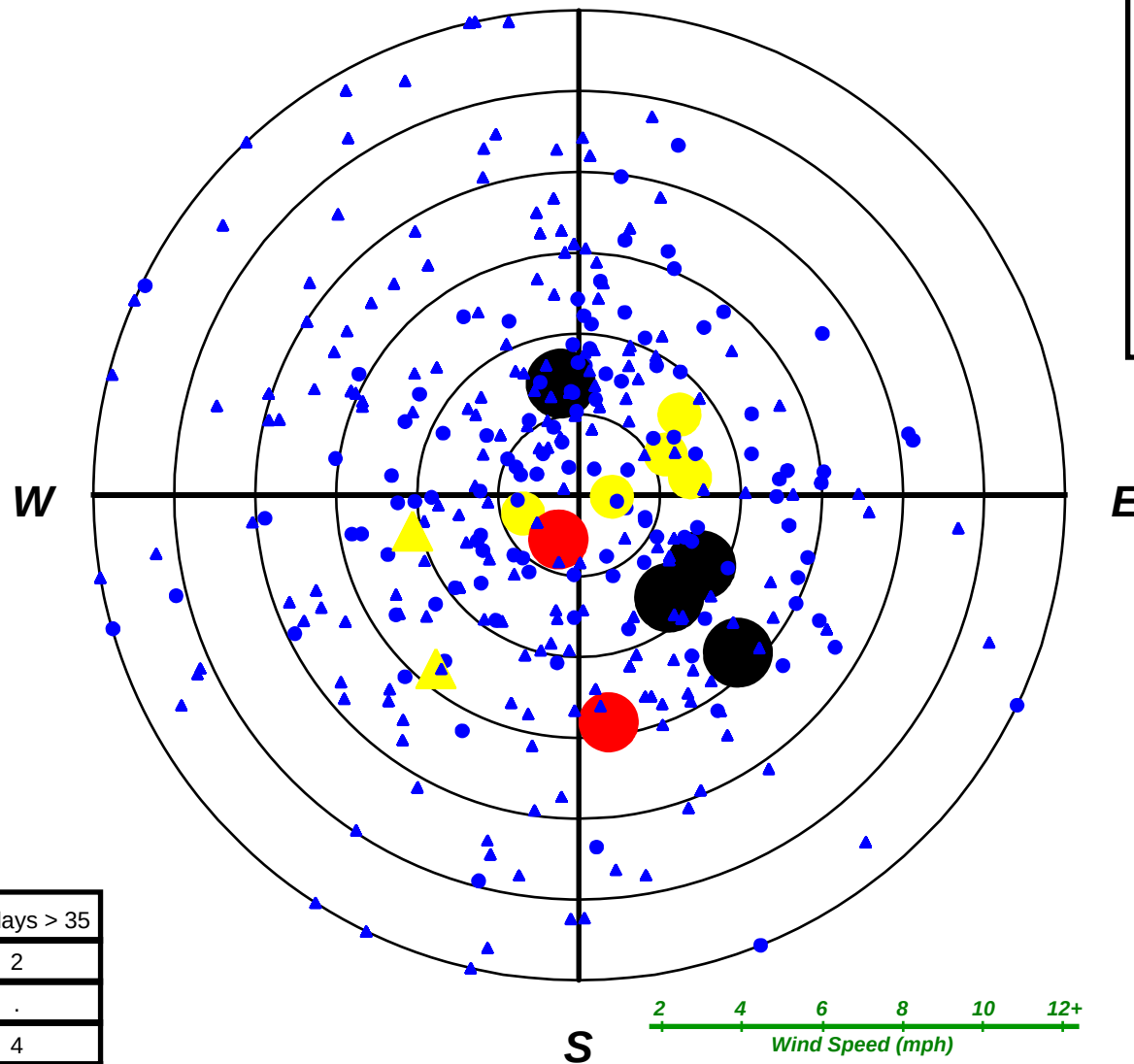
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 19.6 miles away
BIRMINGHAM_MUNICIPAL_AP (ID=13876)*

**Birmingham, AL [Shelby County, AL]
Pollution Rose, 2005-2007**

Site 011170006



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

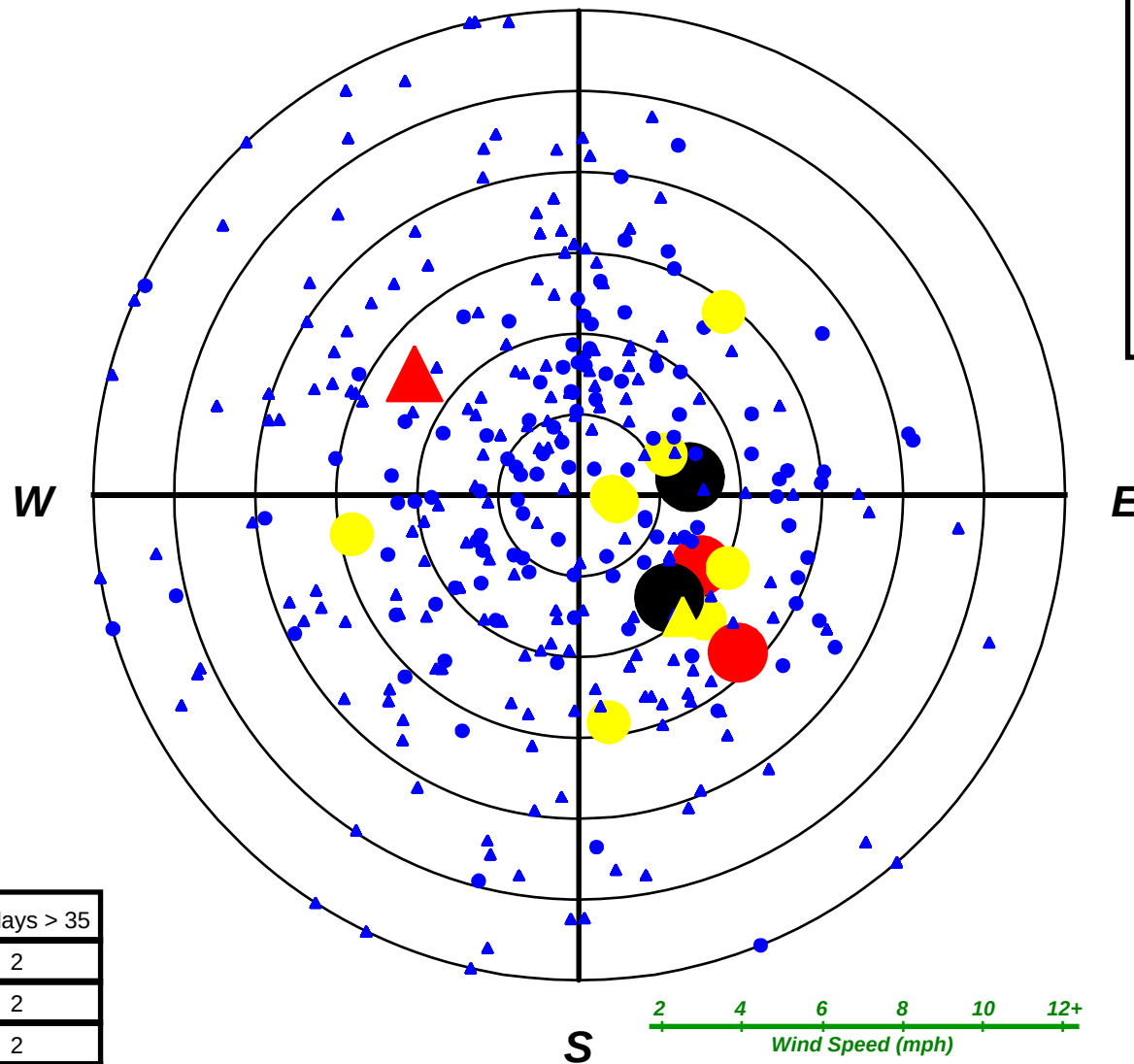
Year	98th %-ile	# days > 35
2005	32.9	2
2006	30.0	.
2007	39.7	4
Design Value	34-A	

All exceedances plotted

Meteorological data from 18.0 miles away
BIRMINGHAM_MUNICIPAL_AP (ID=13876)

**Birmingham, AL [Walker County, AL]
Pollution Rose, 2005-2007**

Site 011270002



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

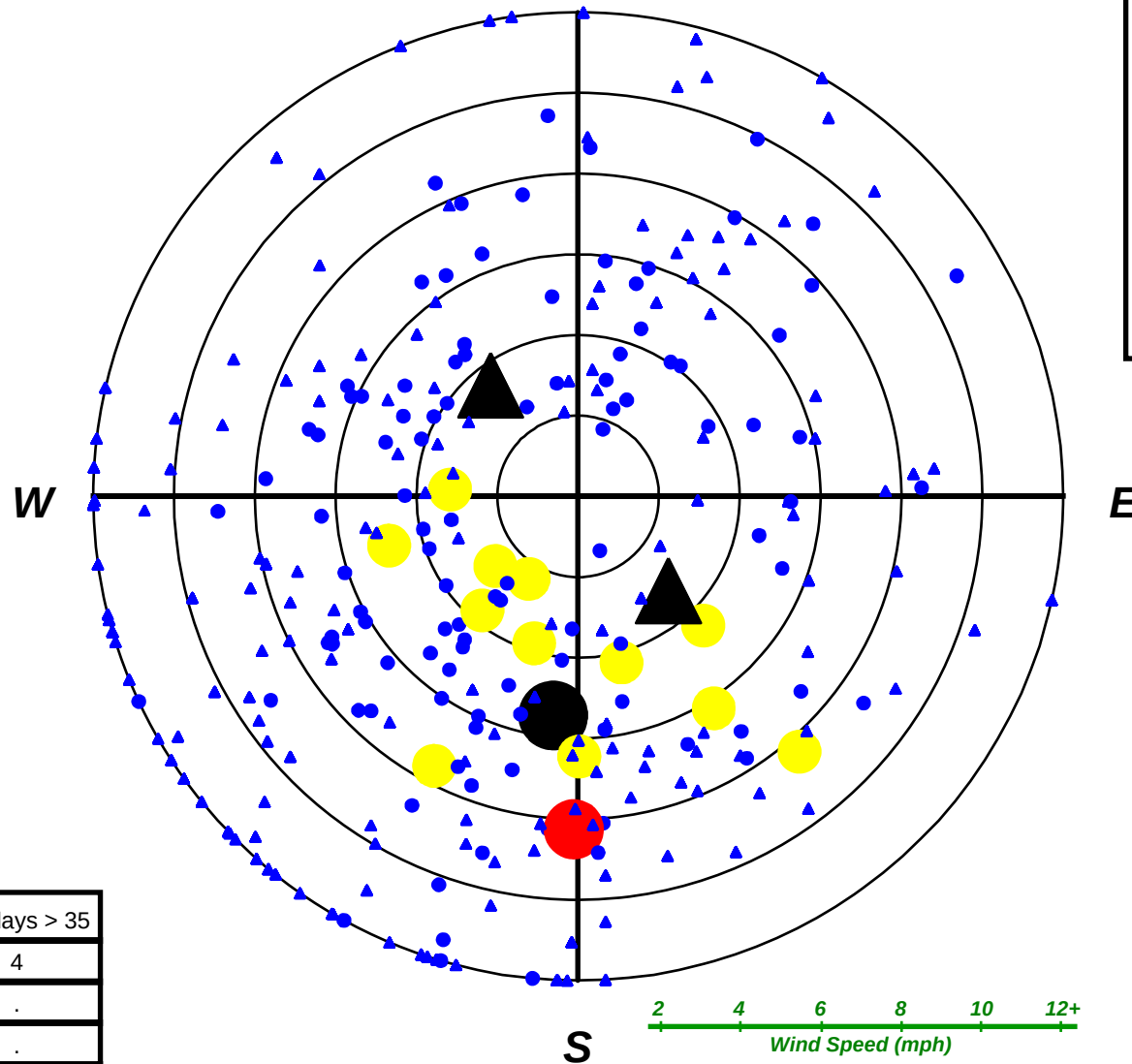
Year	98th %-ile	# days > 35
2005	33.2	2
2006	34.9	2
2007	35.1	2
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 35.2 miles away
BIRMINGHAM_MUNICIPAL_AP (ID=13876)

**Canton-Massillon, OH [Stark County, OH]
Pollution Rose, 2005-2007**

Site 391510017



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

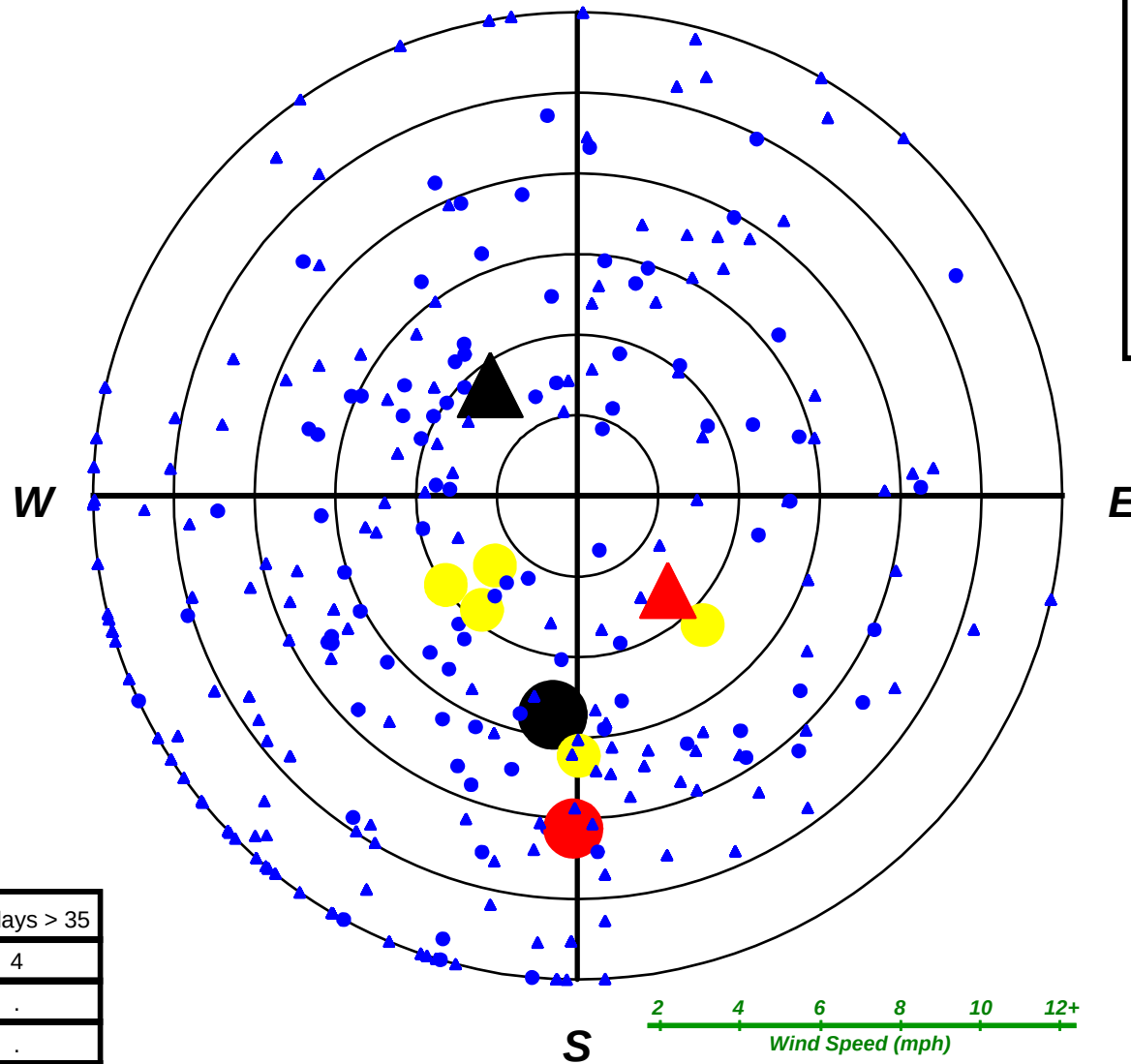
Year	98th %-ile	# days > 35
2005	42.5	4
2006	32.2	.
2007	33.4	.
Design Value	36-NA	

All exceedances plotted

*Meteorological data from 9.2 miles away
AKRON_AKRON-CANTON_REG_AP (ID=14895)*

Canton-Massillon, OH [Stark County, OH]
Pollution Rose, 2005-2007

Site 391510020



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

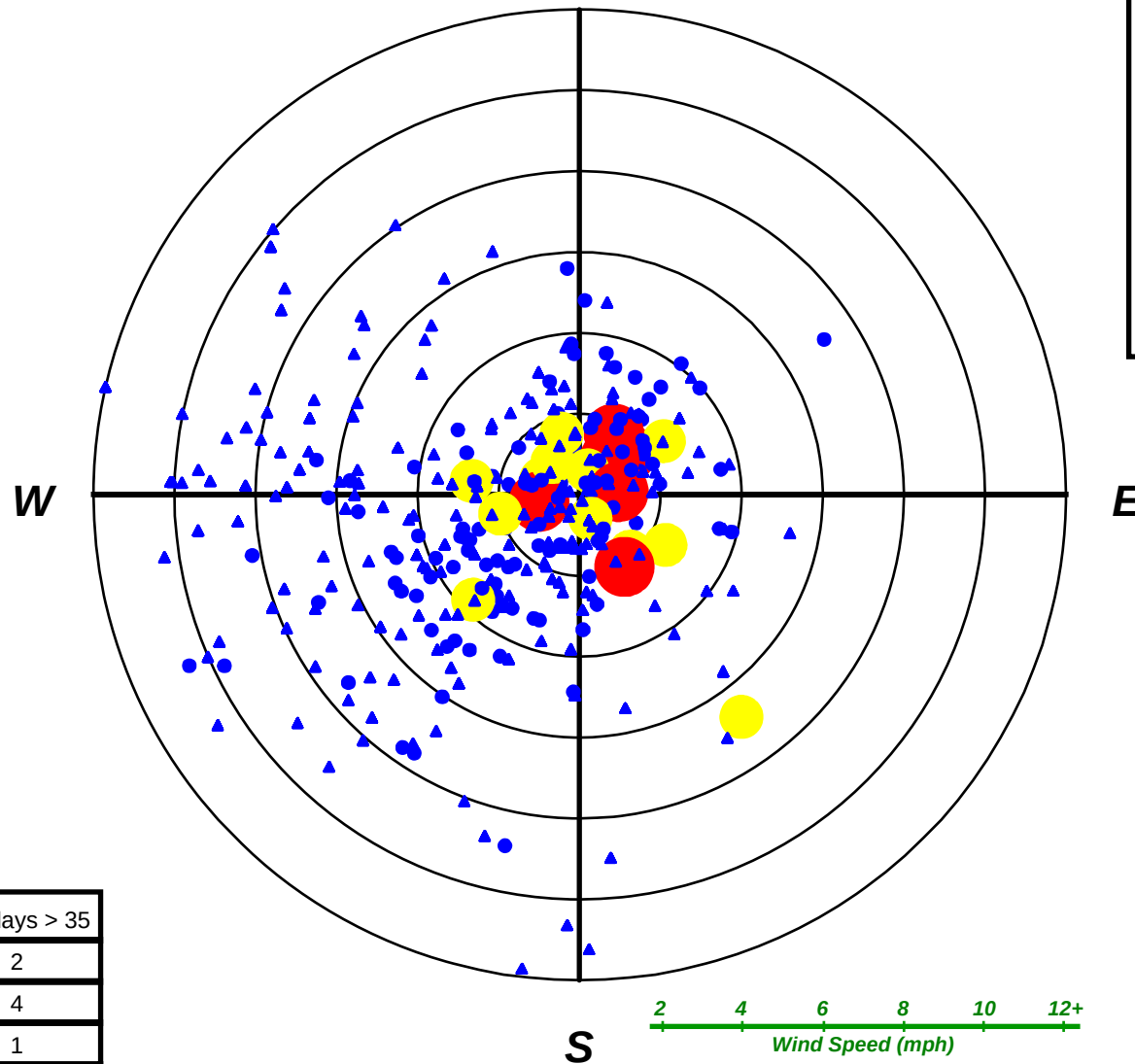
Year	98th %-ile	# days > 35
2005	39.3	4
2006	26.1	.
2007	32.8	.
Design Value	33-inc-a	

All exceedances plotted

Meteorological data from 8.6 miles away
AKRON_AKRON-CANTON_REG_AP (ID=14895)

Charleston, WV [Kanawha County, WV]
Pollution Rose, 2005-2007

Site 540390010



Year	98th %-ile	# days > 35
2005	35.4	2
2006	37.6	4
2007	33.5	1
Design Value	36-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 3.6 miles away
CHARLESTON_YEAGER_ARPT (ID=13866)

Charleston, WV [Kanawha County, WV]
Pollution Rose, 2005-2007

Site 540390011

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

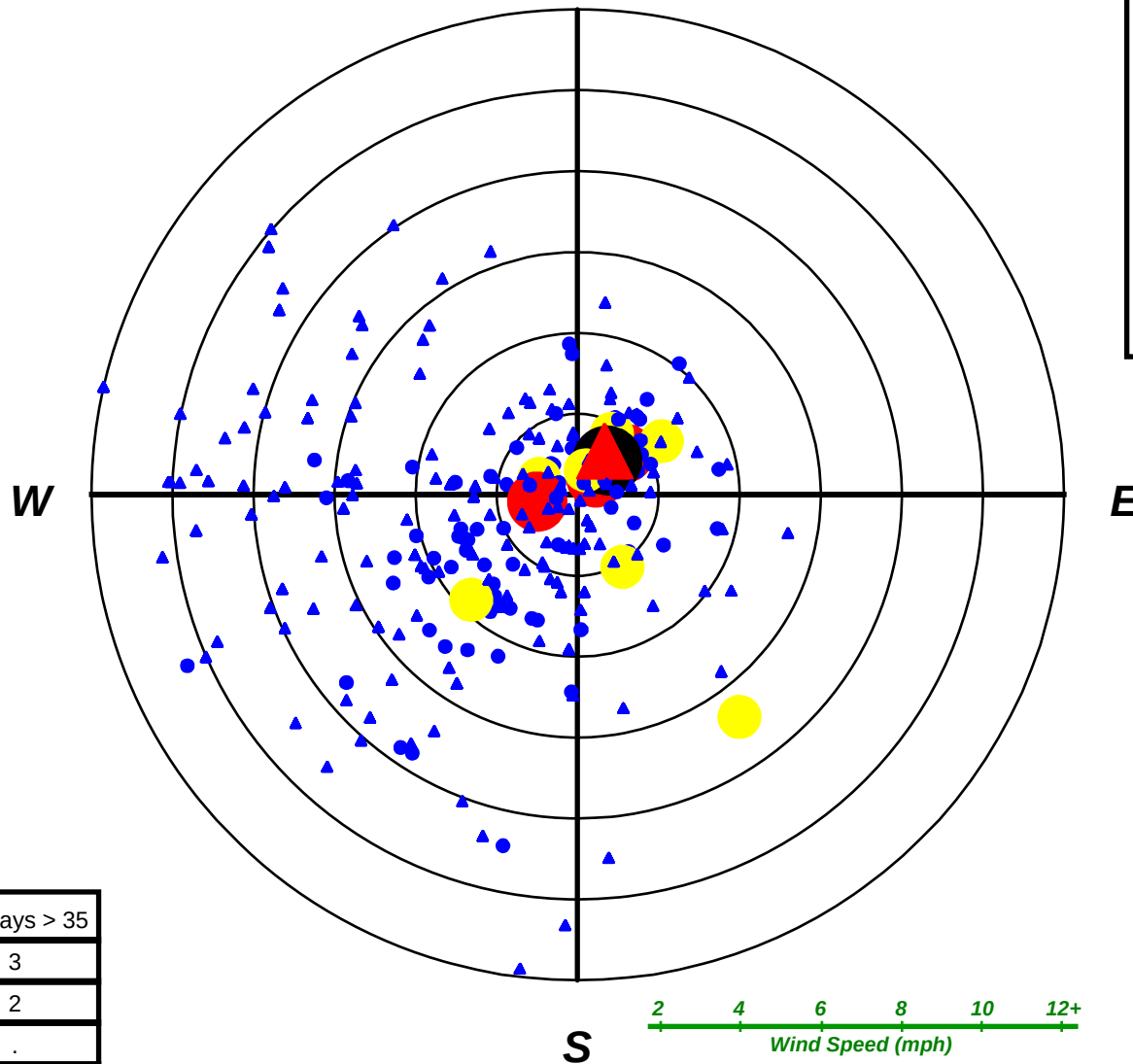
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



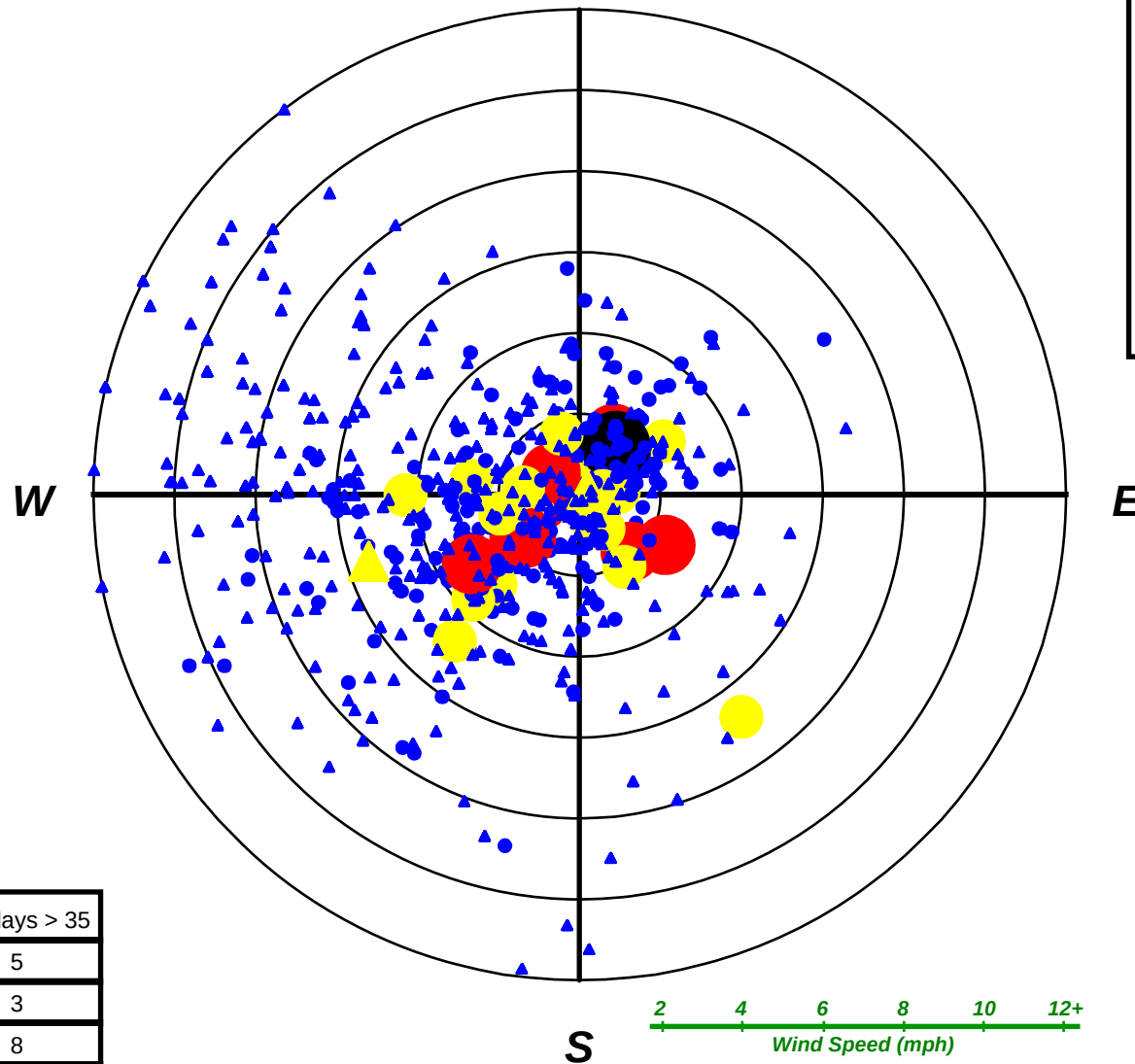
Year	98th %-ile	# days > 35
2005	35.5	3
2006	32.0	2
2007	24.3	.
Design Value	31-inc-a	

All exceedances plotted

Meteorological data from 7.1 miles away
CHARLESTON_YEAGER_ARPT (ID=13866)

Charleston, WV [Kanawha County, WV]
Pollution Rose, 2005-2007

Site 540391005



Year	98th %-ile	# days > 35
2005	39.5	5
2006	37.3	3
2007	36.5	8
Design Value	38-NA	

4 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.1 miles away
CHARLESTON_YEAGER_ARPT (ID=13866)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170310022

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

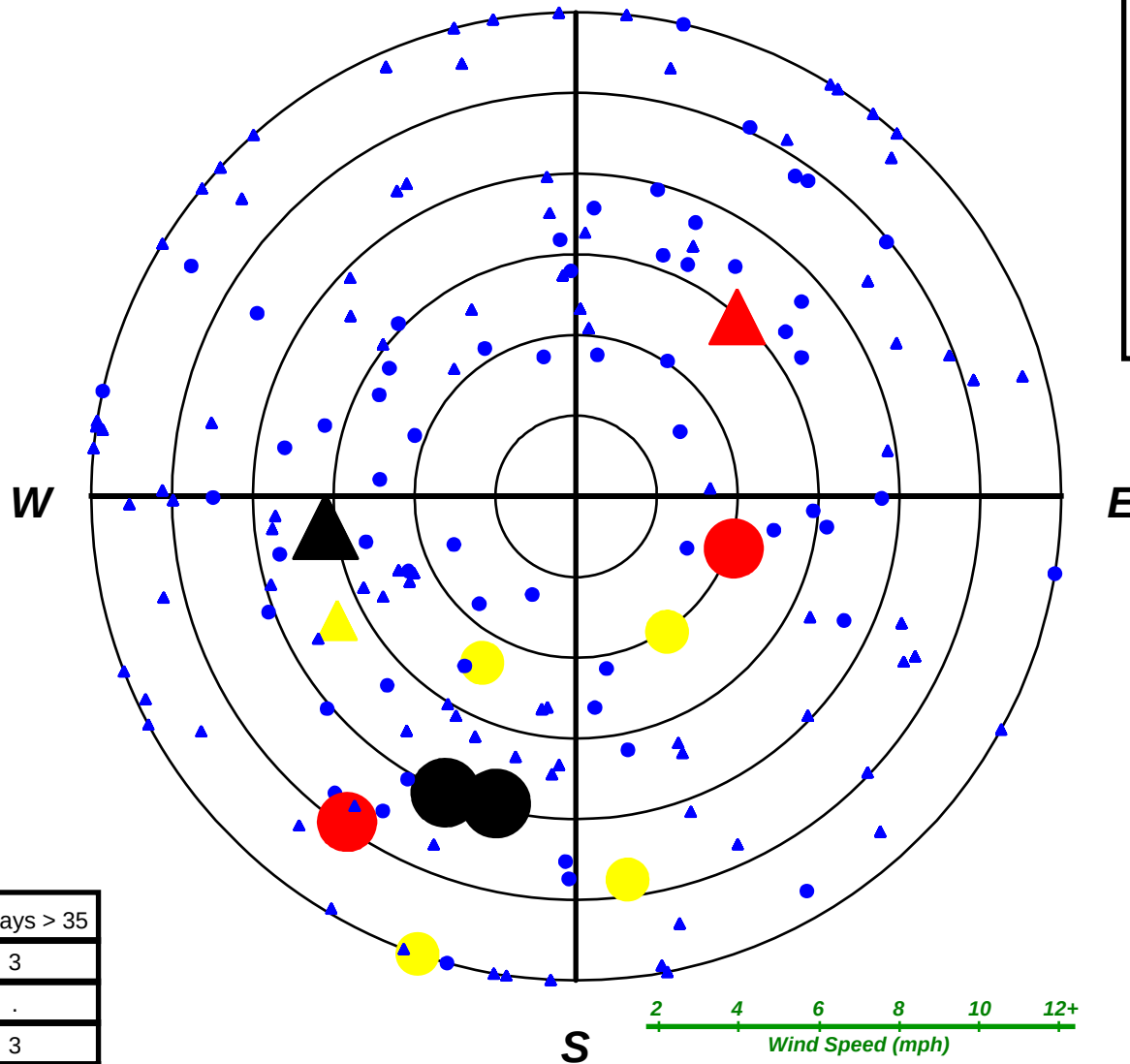
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



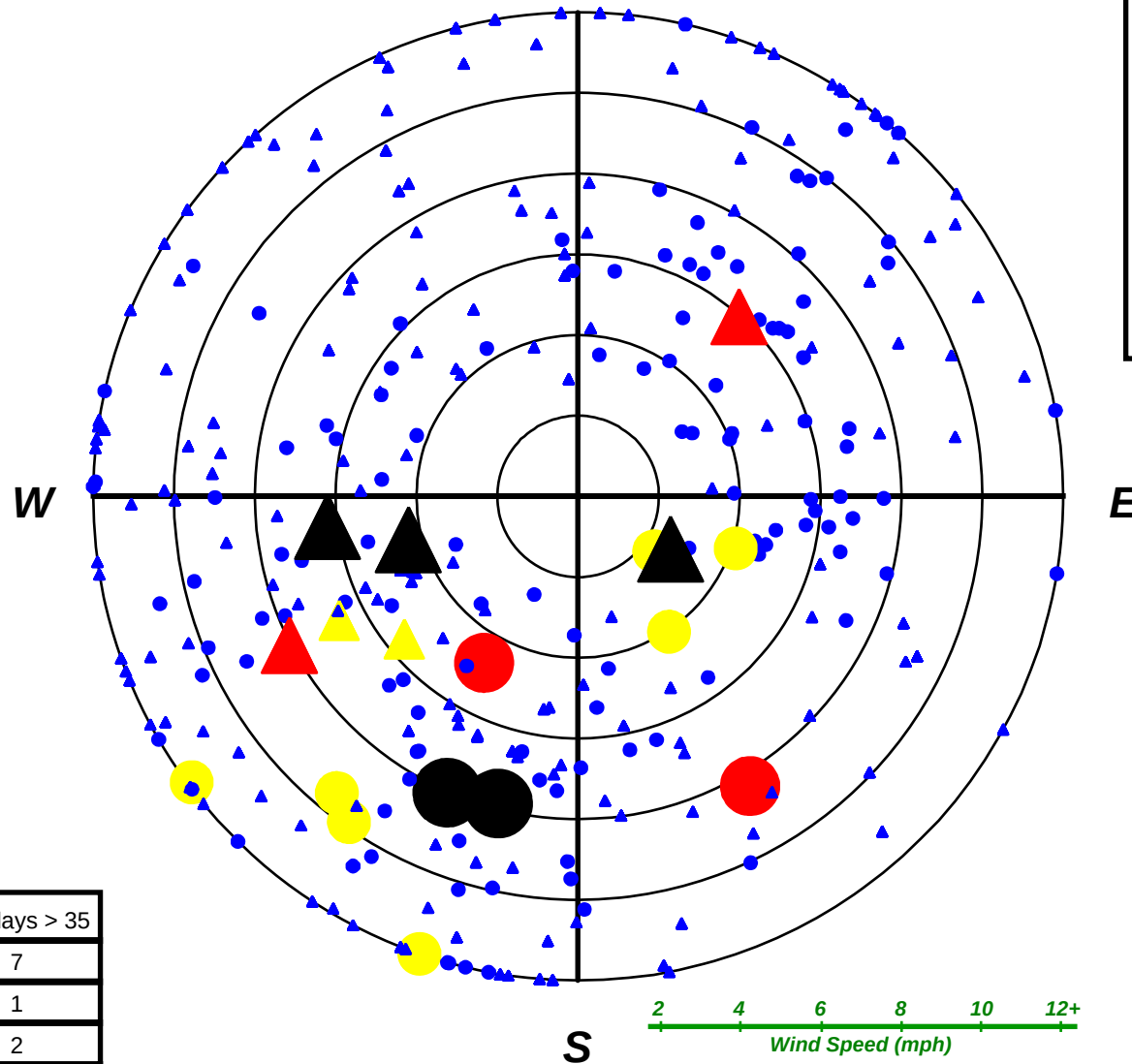
Year	98th %-ile	# days > 35
2005	45.7	3
2006	27.0	.
2007	35.7	3
Design Value	36-NA	

All exceedances plotted

Meteorological data from 12.7 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170310050



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

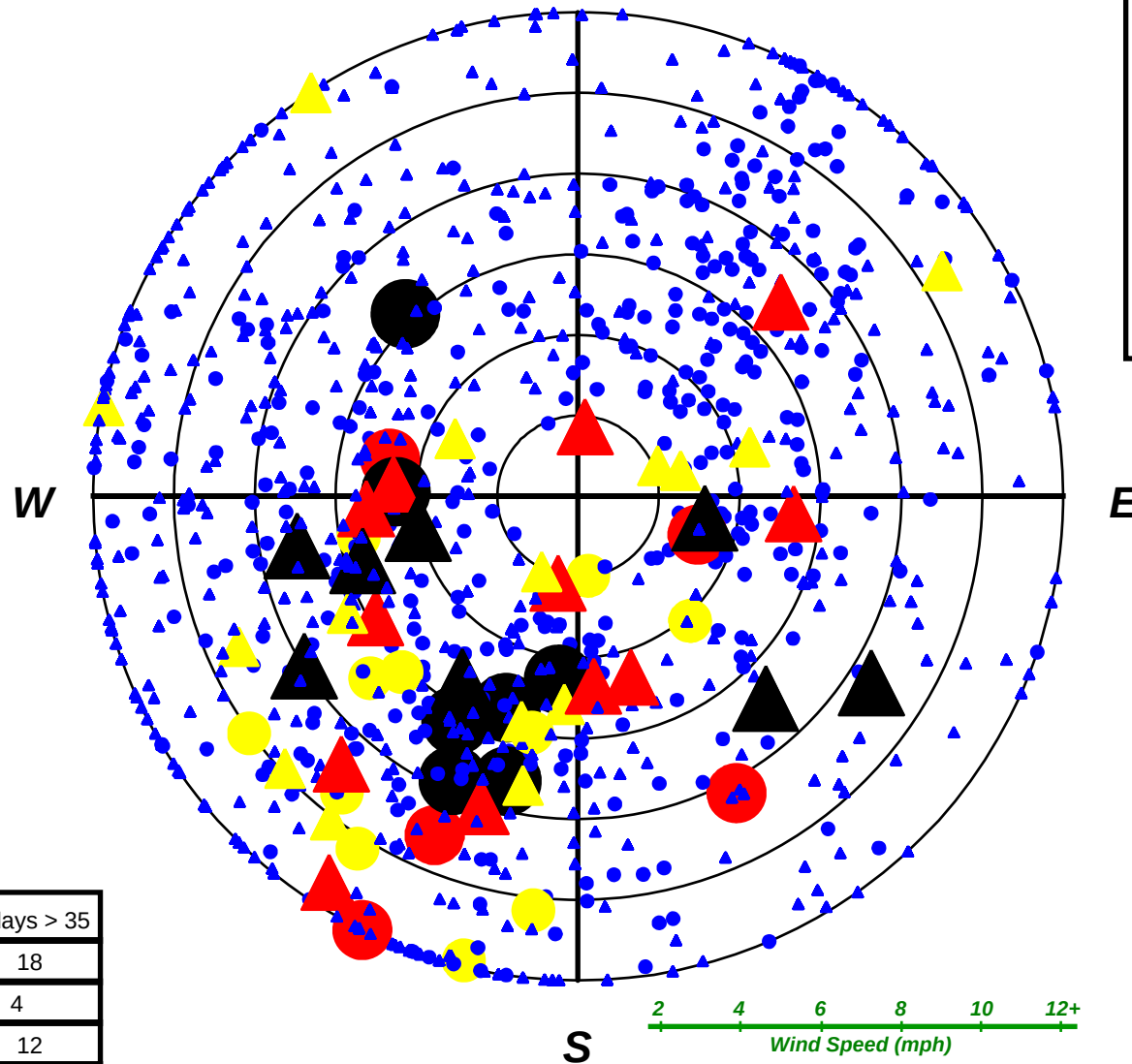
Year	98th %-ile	# days > 35
2005	45.0	7
2006	26.6	1
2007	33.6	2
Design Value	35-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 10.7 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170310052



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

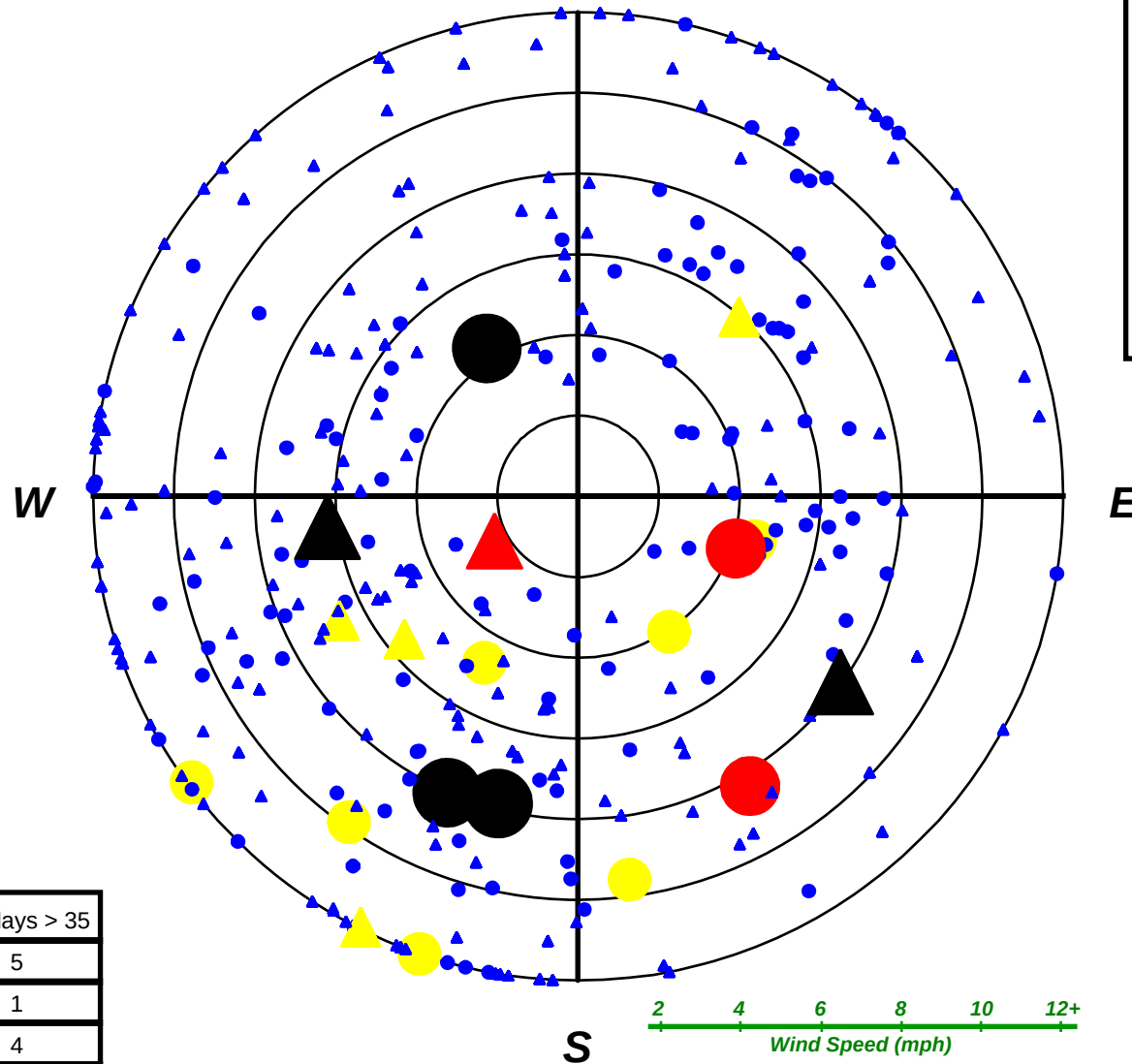
Year	98th %-ile	# days > 35
2005	48.3	18
2006	31.6	4
2007	39.4	12
Design Value	40-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 8.7 miles away
CHICAGO_OHARE_INTL_AP (ID=94846)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170310057



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

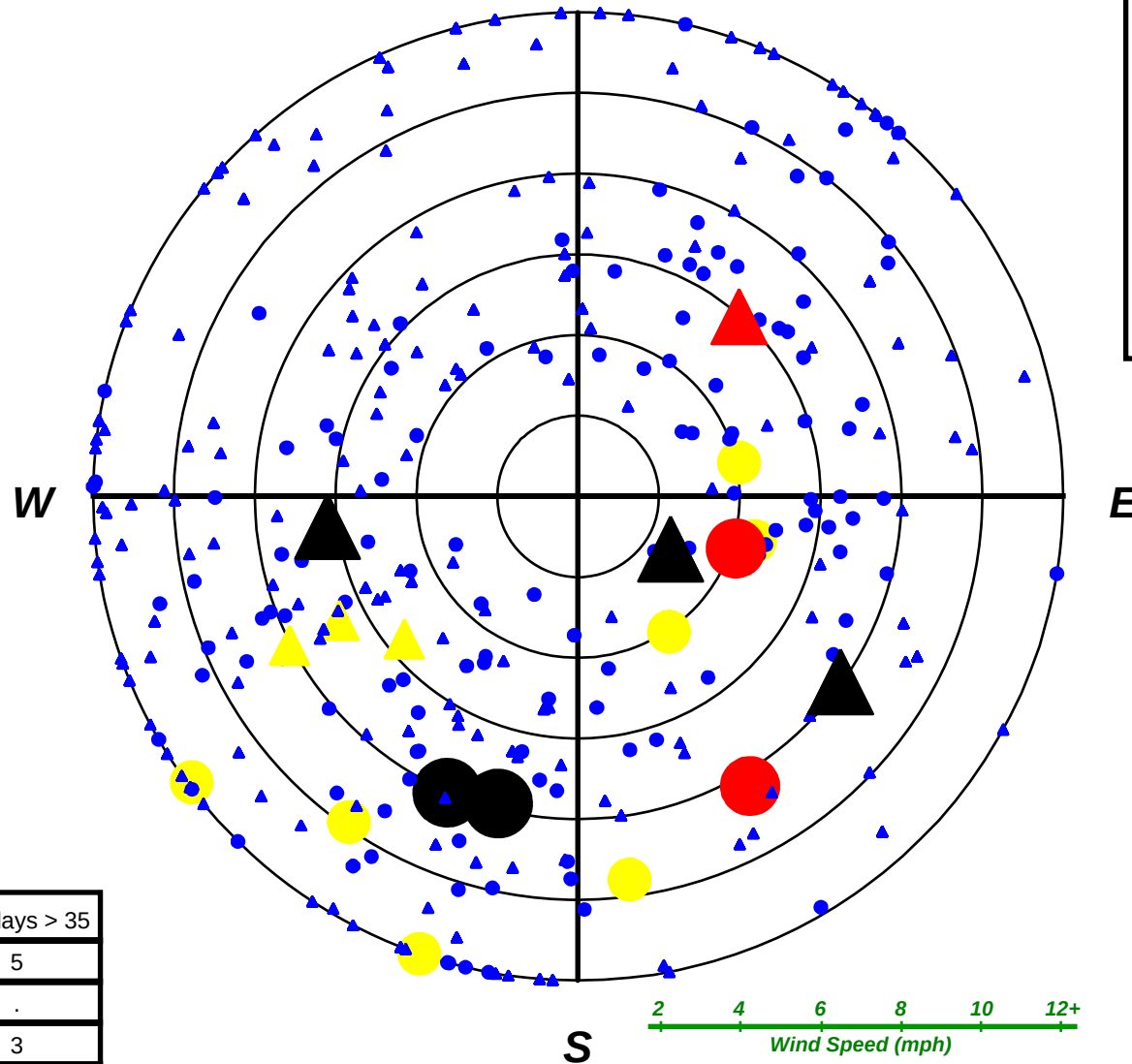
Year	98th %-ile	# days > 35
2005	46.5	5
2006	27.7	1
2007	38.9	4
Design Value	38-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 9.1 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170310076



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

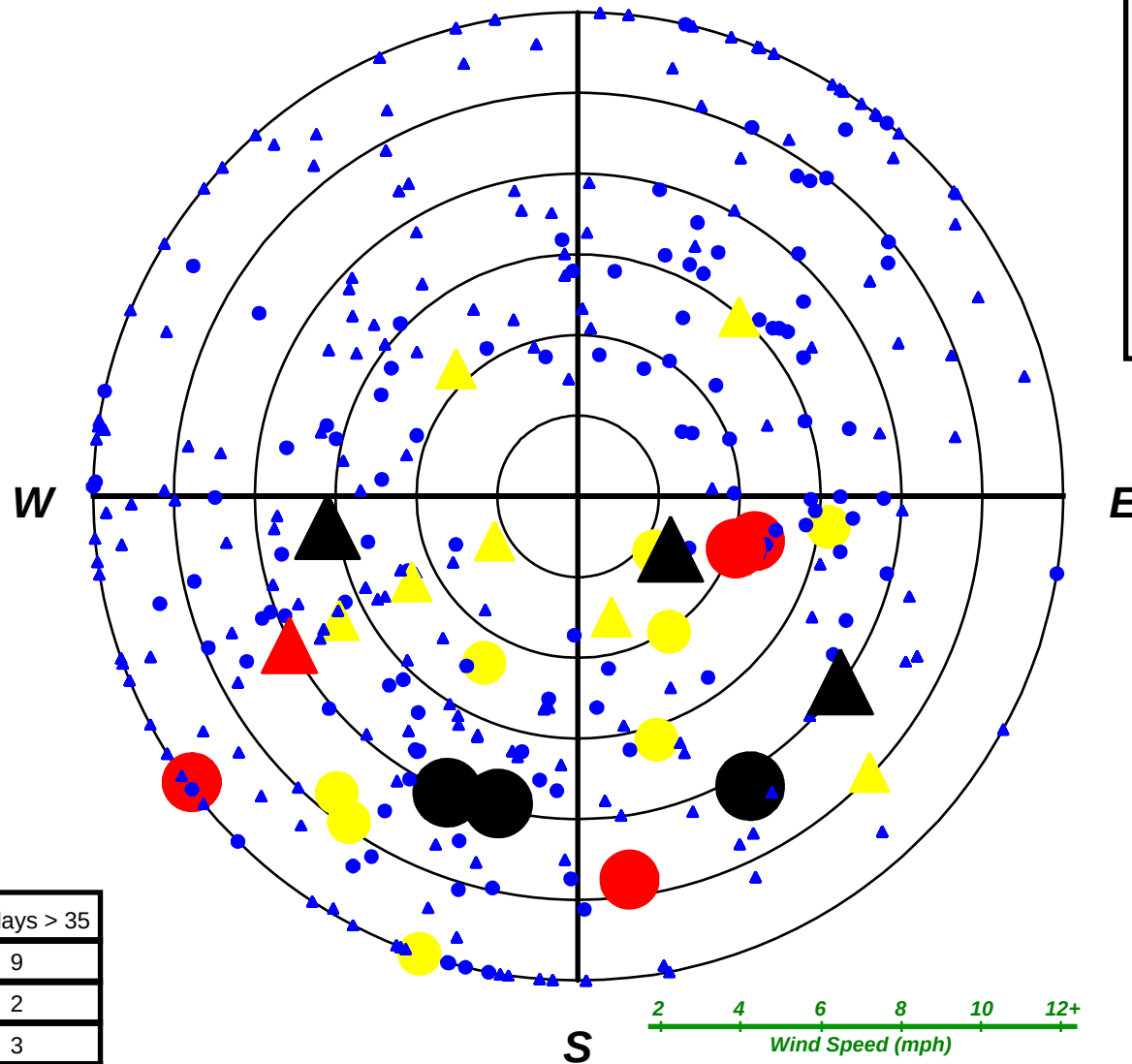
Year	98th %-ile	# days > 35
2005	45.1	5
2006	29.0	.
2007	37.2	3
Design Value	37-NA	

All exceedances plotted

Meteorological data from 2.9 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170311016



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	51.5	9
2006	32.9	2
2007	36.8	3
Design Value	40-NA	

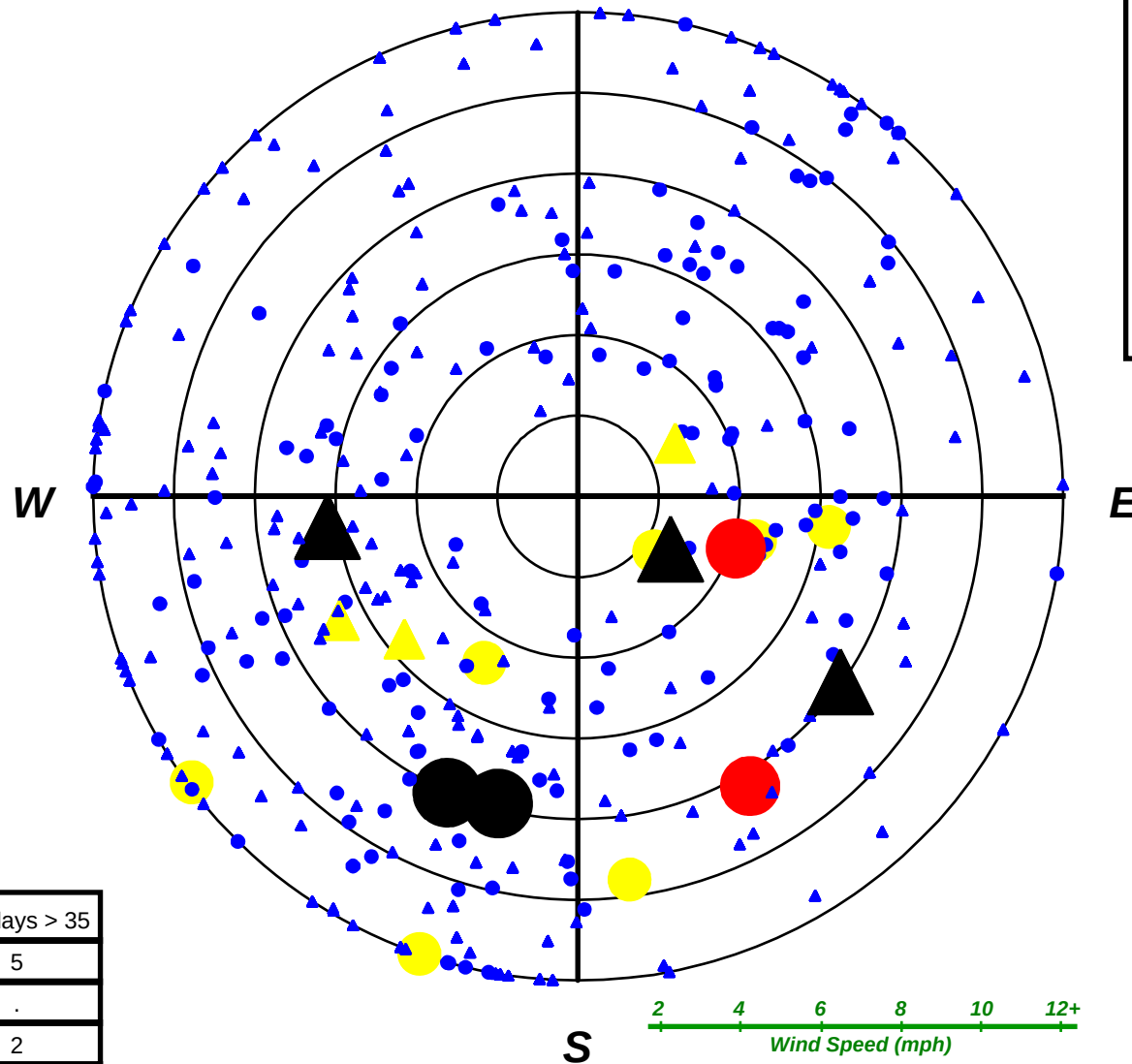
3 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 4.4 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170312001



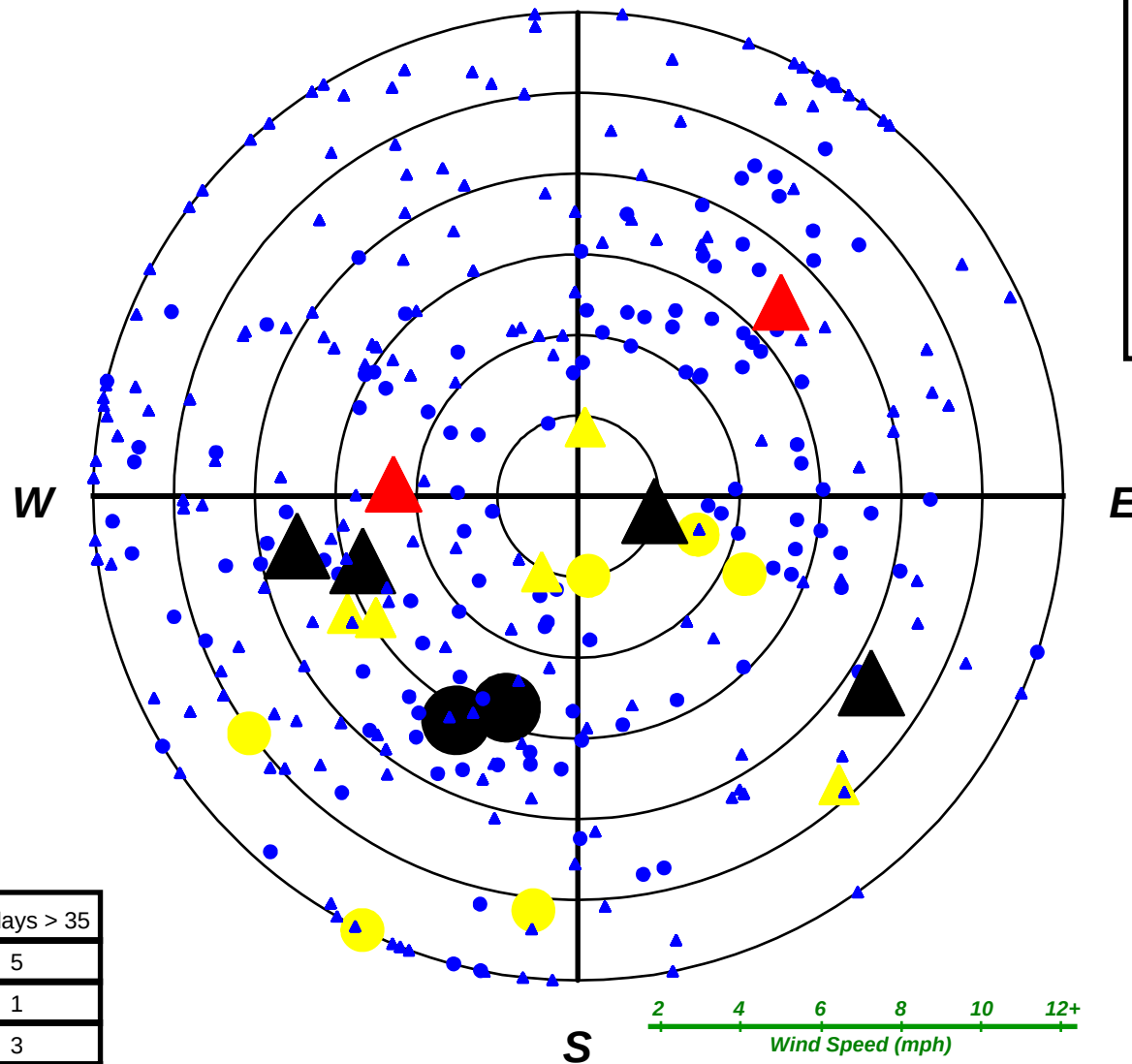
Year	98th %-ile	# days > 35
2005	43.8	5
2006	28.1	.
2007	35.1	2
Design Value	36-NA	

All exceedances plotted

Meteorological data from 8.8 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170313103



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

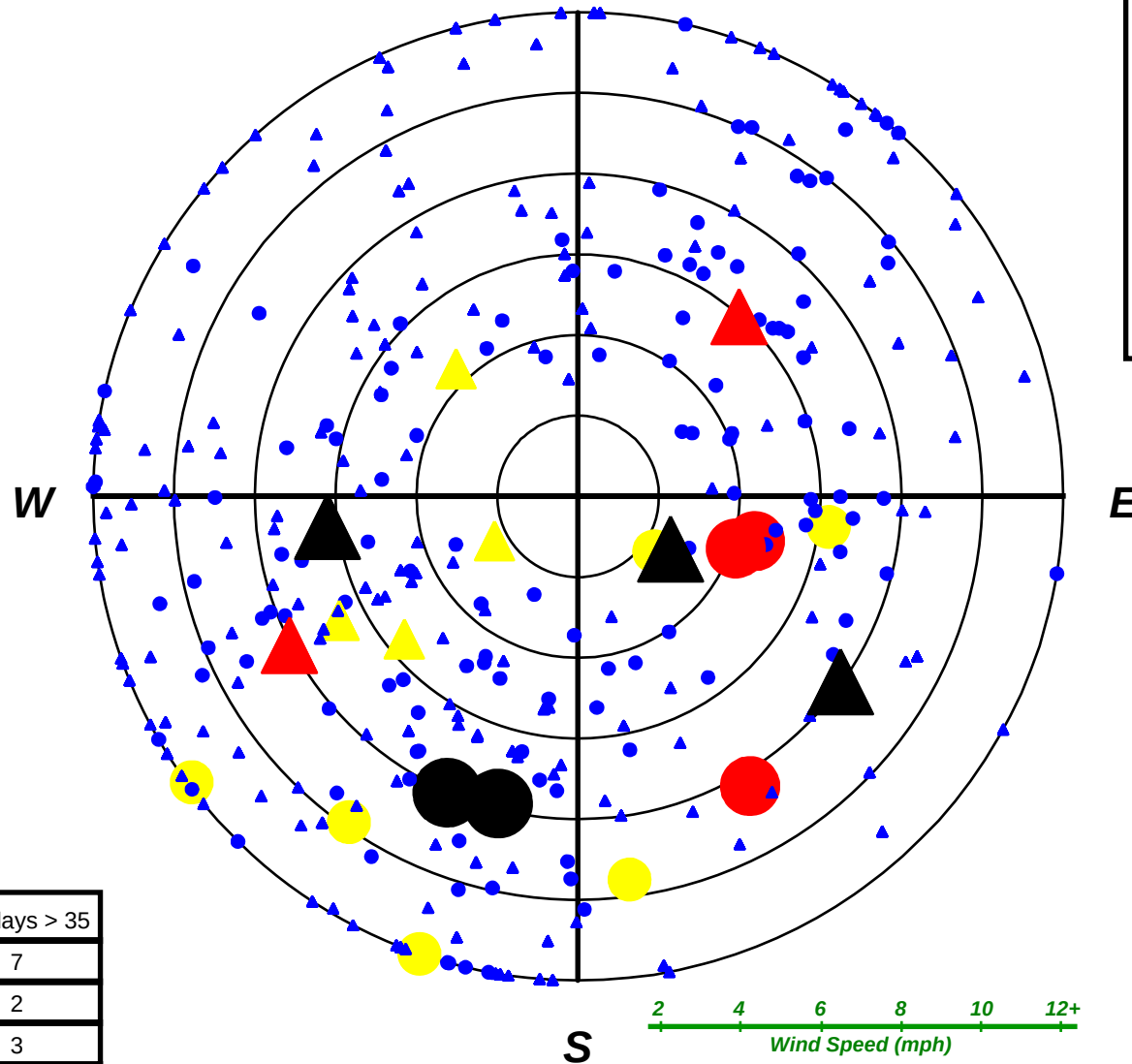
Year	98th %-ile	# days > 35
2005	50.3	5
2006	30.0	1
2007	36.6	3
Design Value	39-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.4 miles away
CHICAGO_OHARE_INTL_AP (ID=94846)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170313301



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	49.1	7
2006	27.4	2
2007	36.7	3
Design Value	38-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.9 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

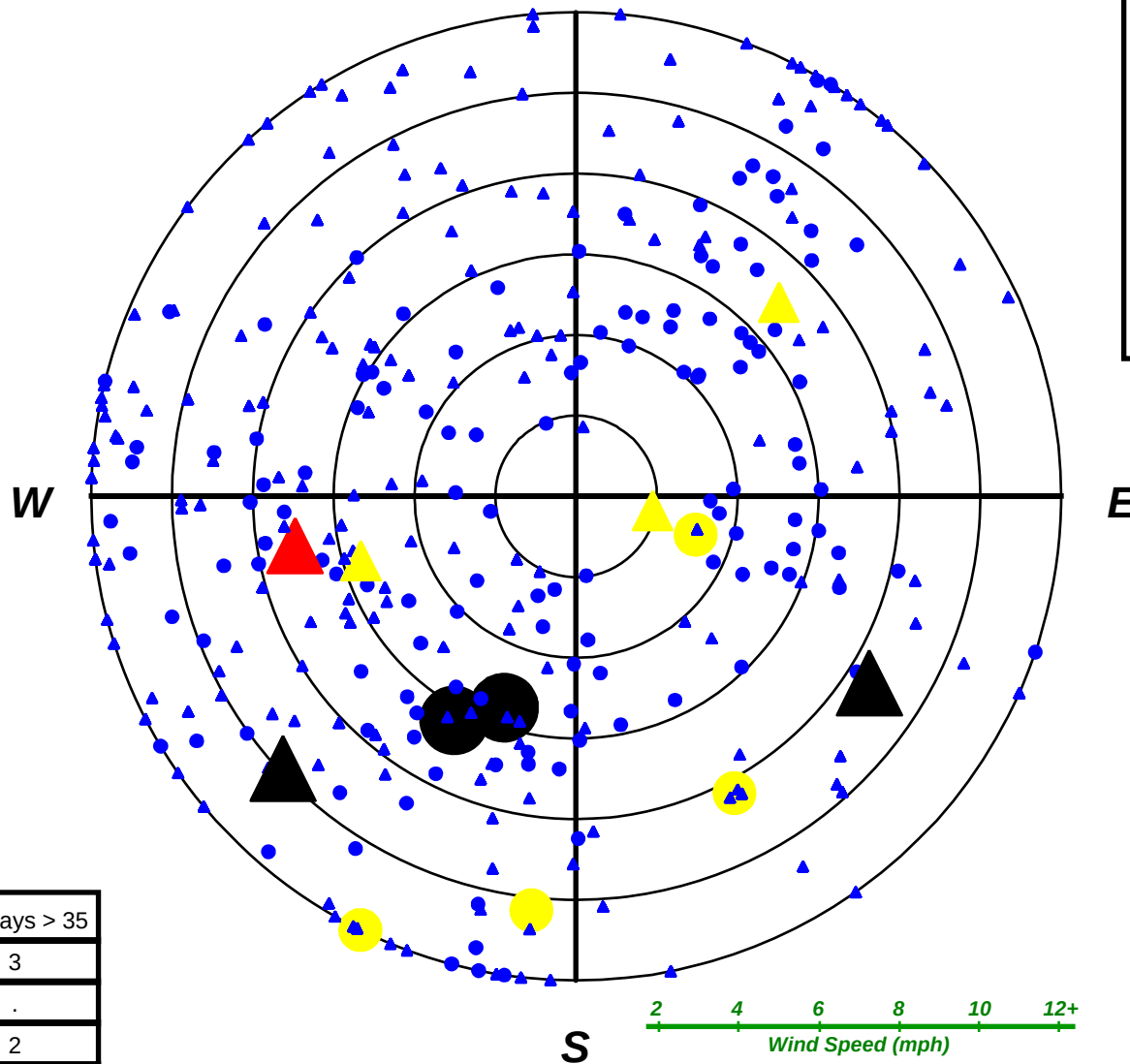
Site 170314007

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



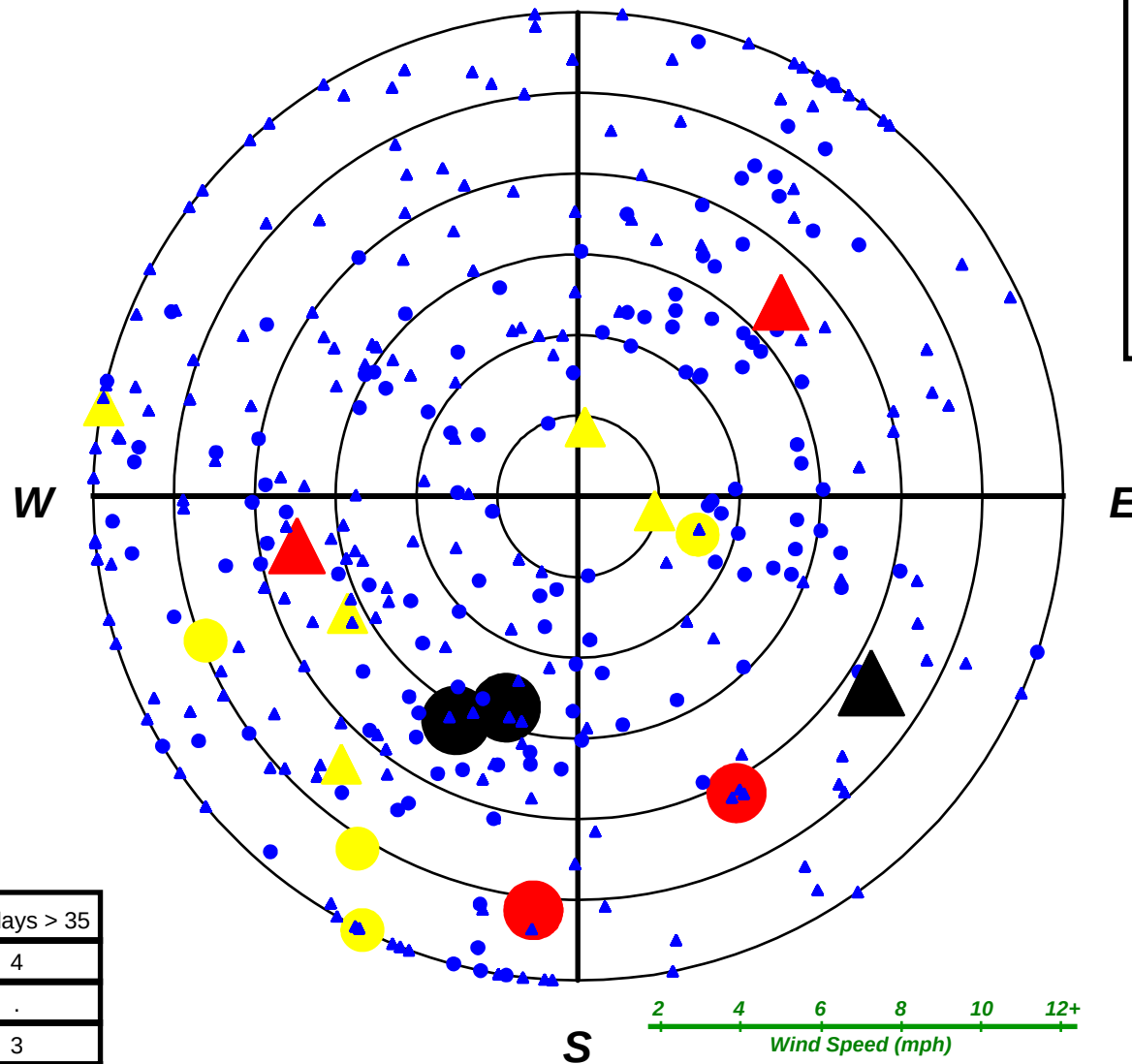
Year	98th %-ile	# days > 35
2005	38.5	3
2006	26.8	.
2007	33.9	2
Design Value	33-A	

All exceedances plotted

Meteorological data from 6.0 miles away
CHICAGO_OHARE_INTL_AP (ID=94846)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170314201



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

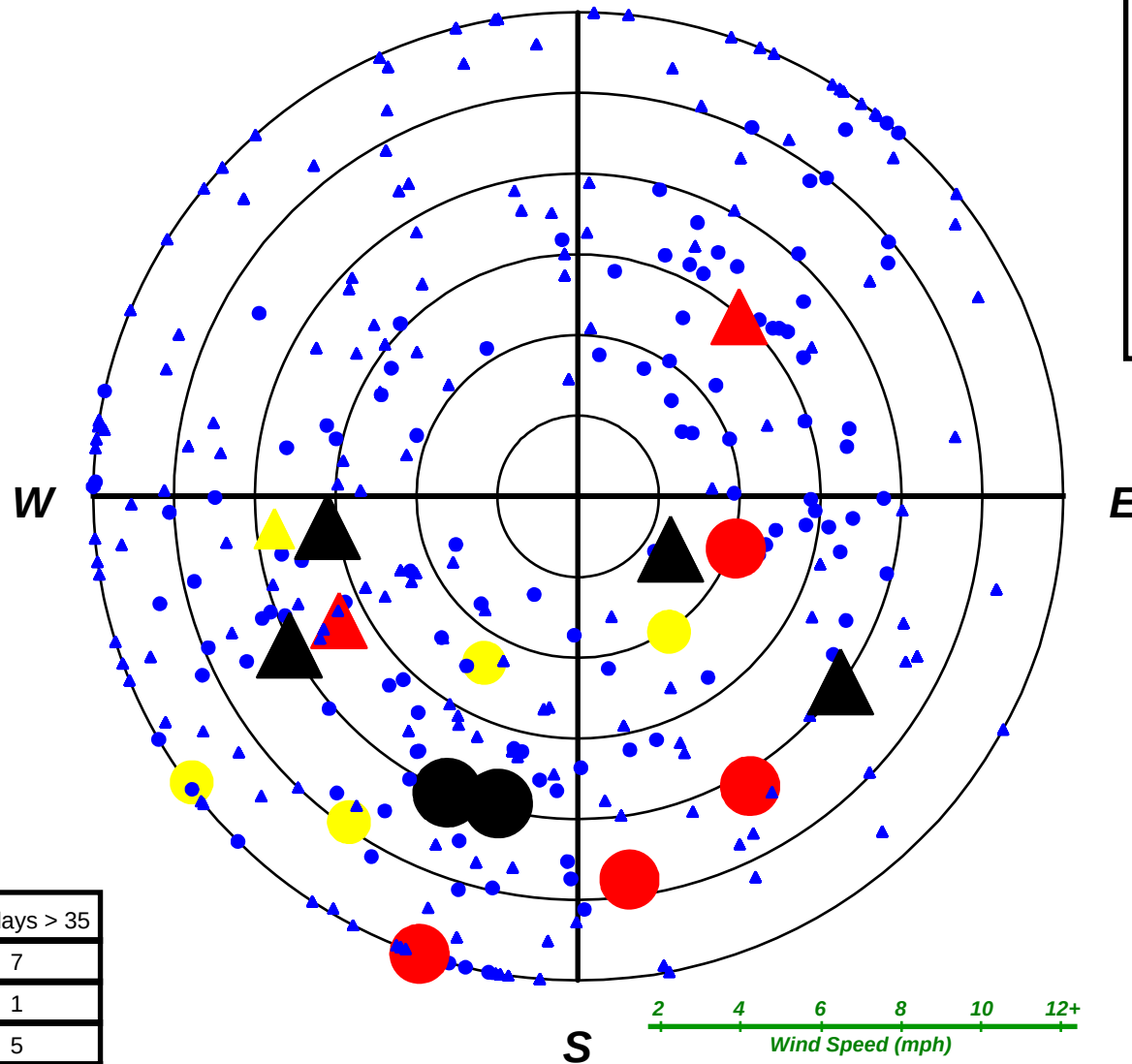
Year	98th %-ile	# days > 35
2005	37.7	4
2006	27.0	.
2007	36.8	3
Design Value	34-A	

All exceedances plotted

Meteorological data from 12.4 miles away
CHICAGO_OHARE_INTL_AP (ID=94846)

Chicago-Gary-Lake County, IL-IN [Cook County, IL]
Pollution Rose, 2005-2007

Site 170316005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	44.6	7
2006	29.2	1
2007	36.9	5
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.6 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [DuPage County, IL]
Pollution Rose, 2005-2007

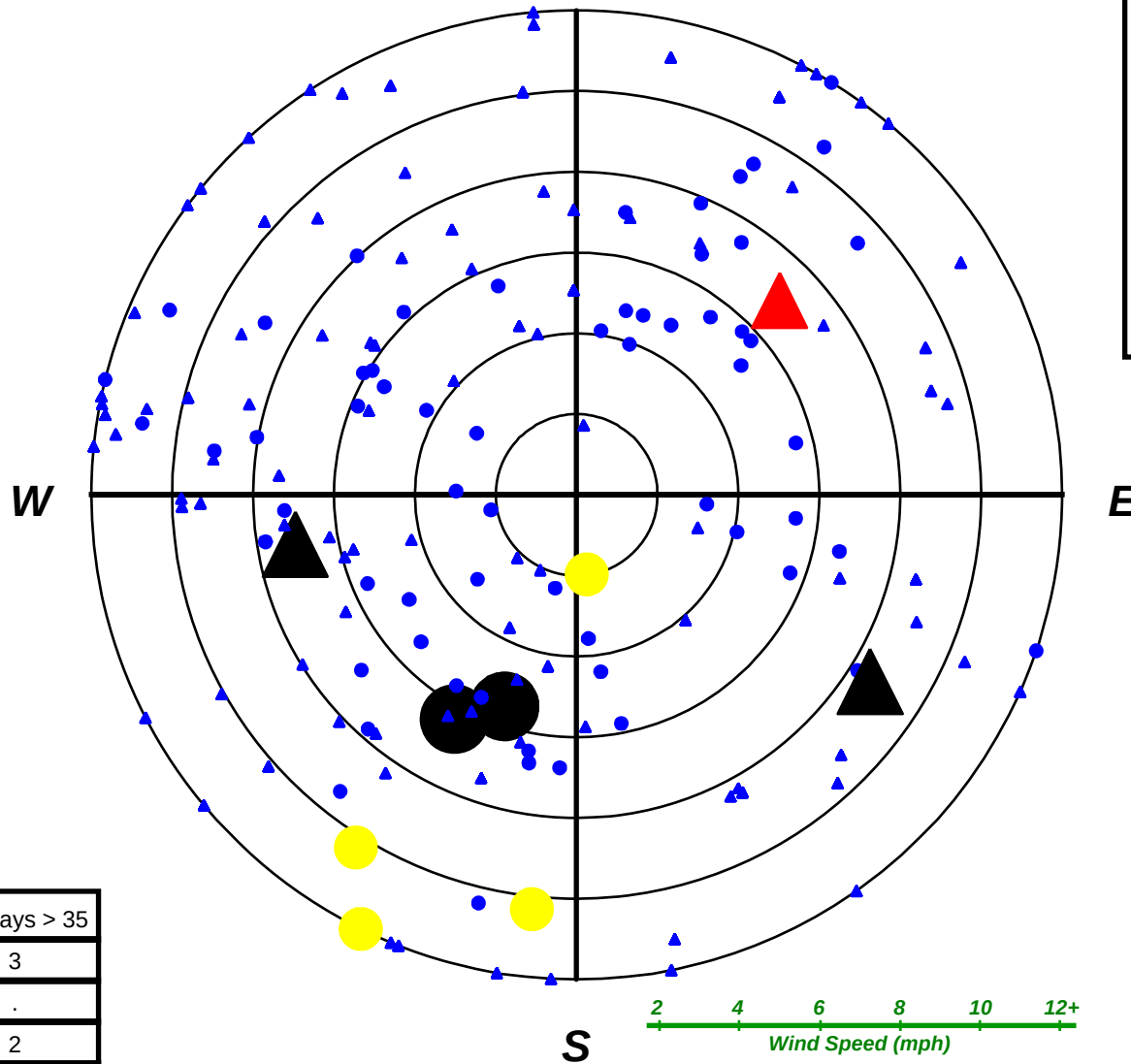
Site 170434002

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	42.0	3
2006	25.1	.
2007	37.8	2
Design Value	35-A	

All exceedances plotted

Meteorological data from 19.0 miles away
CHICAGO_OHARE_INTL_AP (ID=94846)

Chicago-Gary-Lake County, IL-IN [Kane County, IL]
Pollution Rose, 2005-2007

Site 170890003

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

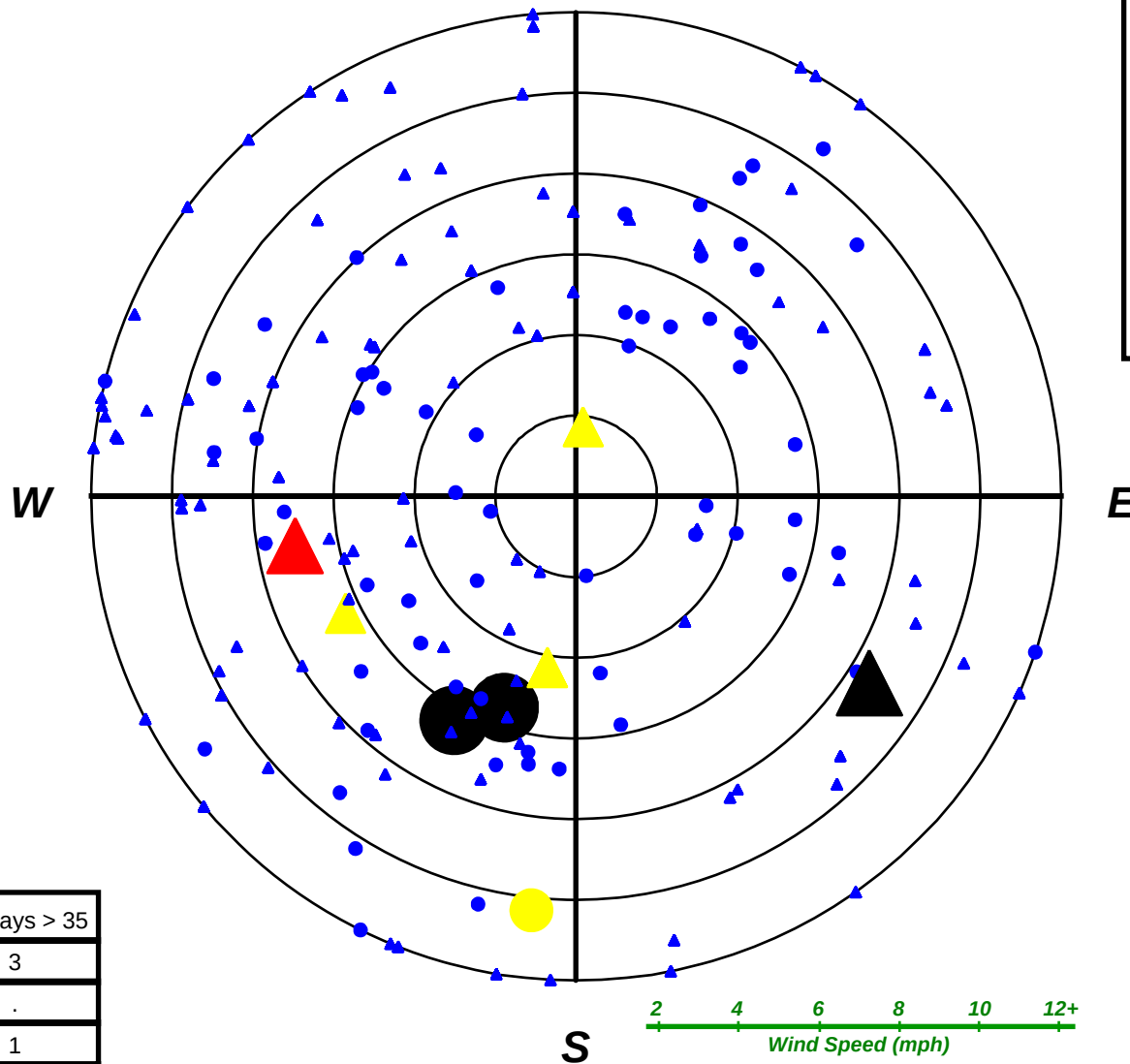
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	41.2	3
2006	29.8	.
2007	35.4	1
Design Value	35-A	

All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 19.2 miles away
CHICAGO_OHARE_INTL_AP (ID=94846)

Chicago-Gary-Lake County, IL-IN [Kane County, IL]
Pollution Rose, 2005-2007

Site 170890007

Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

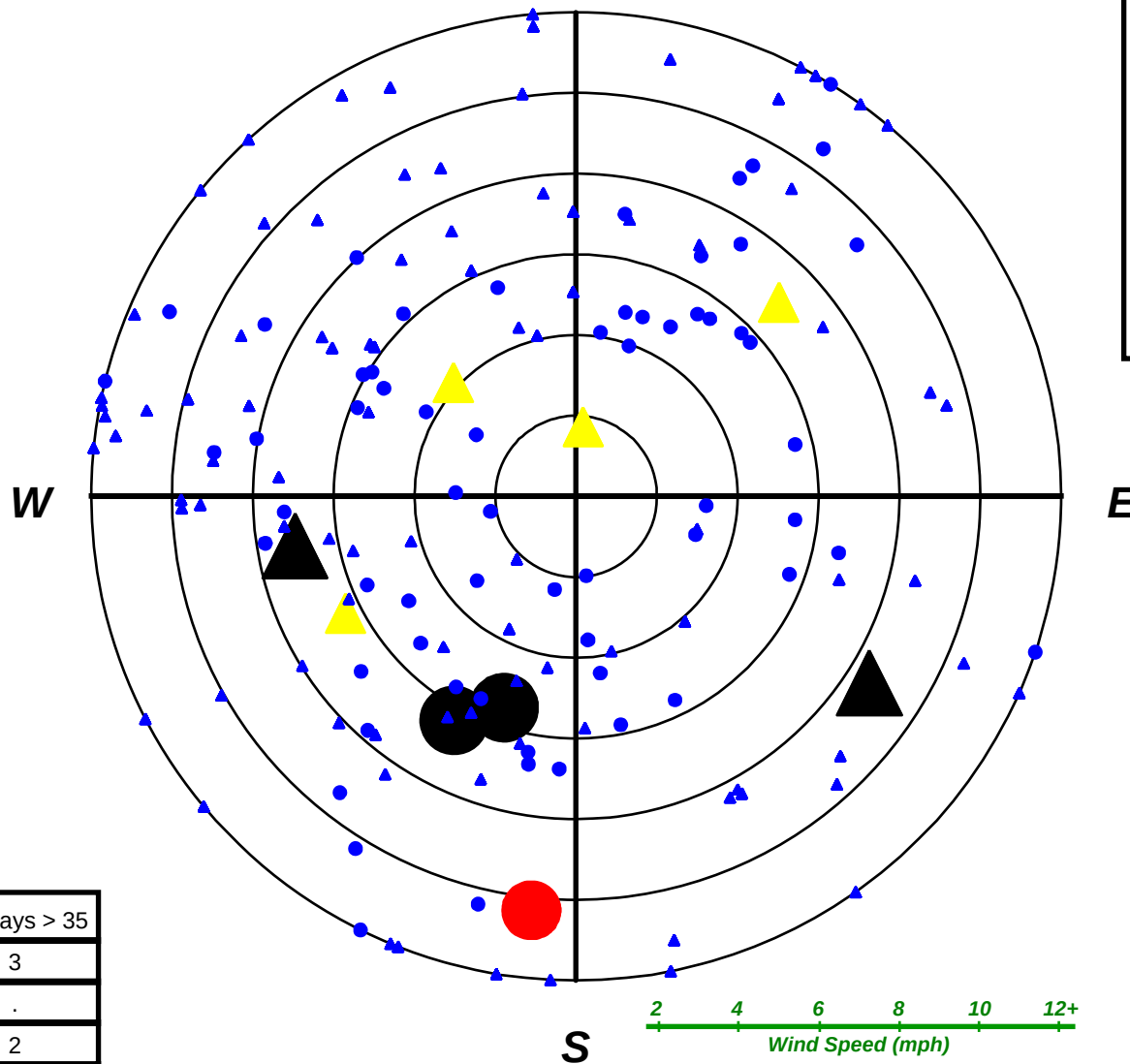
■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	43.6	3
2006	25.4	.
2007	35.5	2
Design Value	35-A	

All exceedances plotted

Meteorological data from 25.3 miles away
CHICAGO_OHARE_INTL_AP (ID=94846)

Chicago-Gary-Lake County, IL-IN [Lake County, IL]
Pollution Rose, 2005-2007

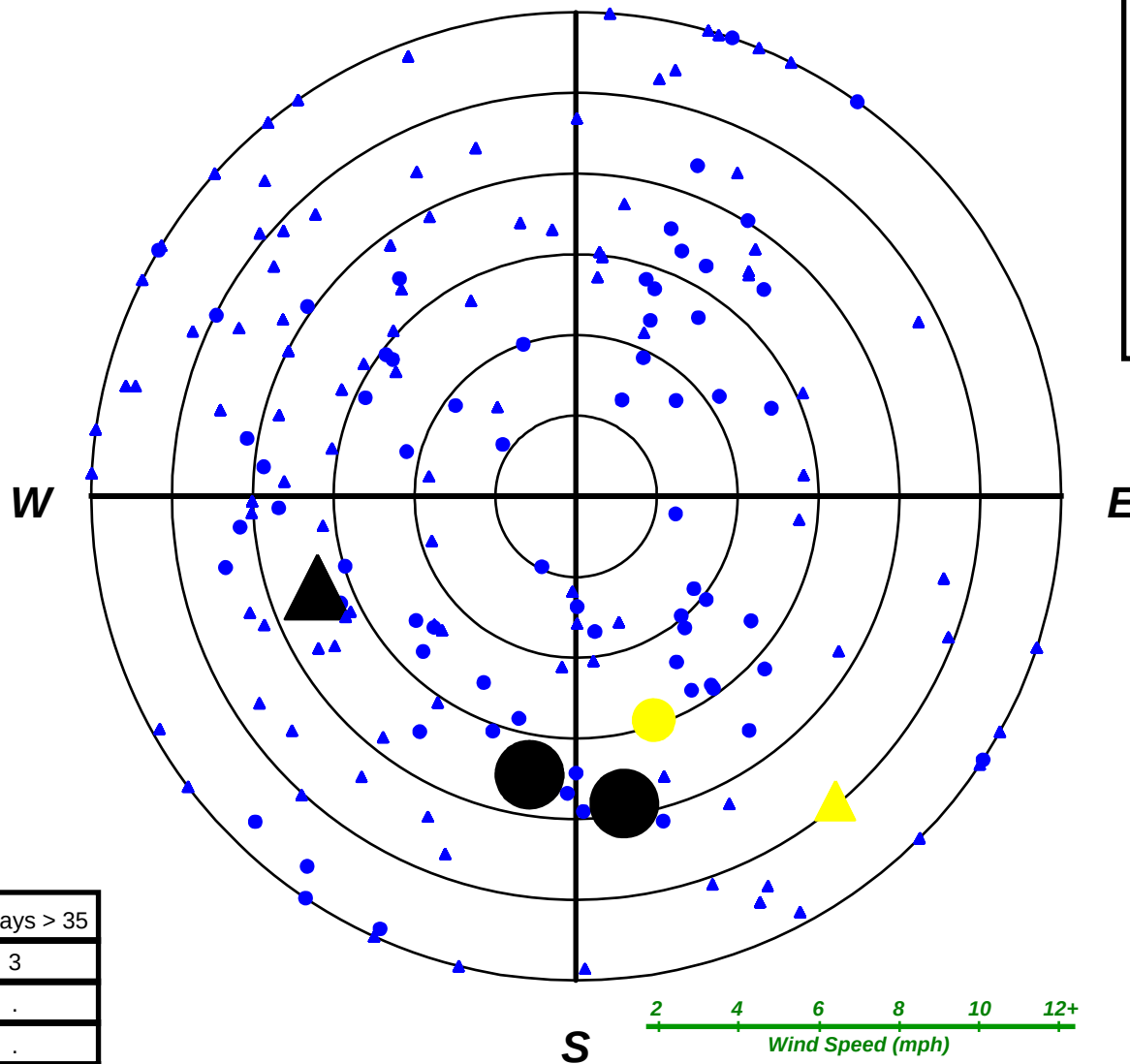
Site 170971007

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	46.6	3
2006	25.6	.
2007	32.8	.
Design Value	35-A	

All exceedances plotted

Meteorological data from 33.7 miles away
MILWAUKEE MITCHELL INTL AP (ID=14839)

Chicago-Gary-Lake County, IL-IN [McHenry County, IL]
Pollution Rose, 2005-2007

Site 171110001

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

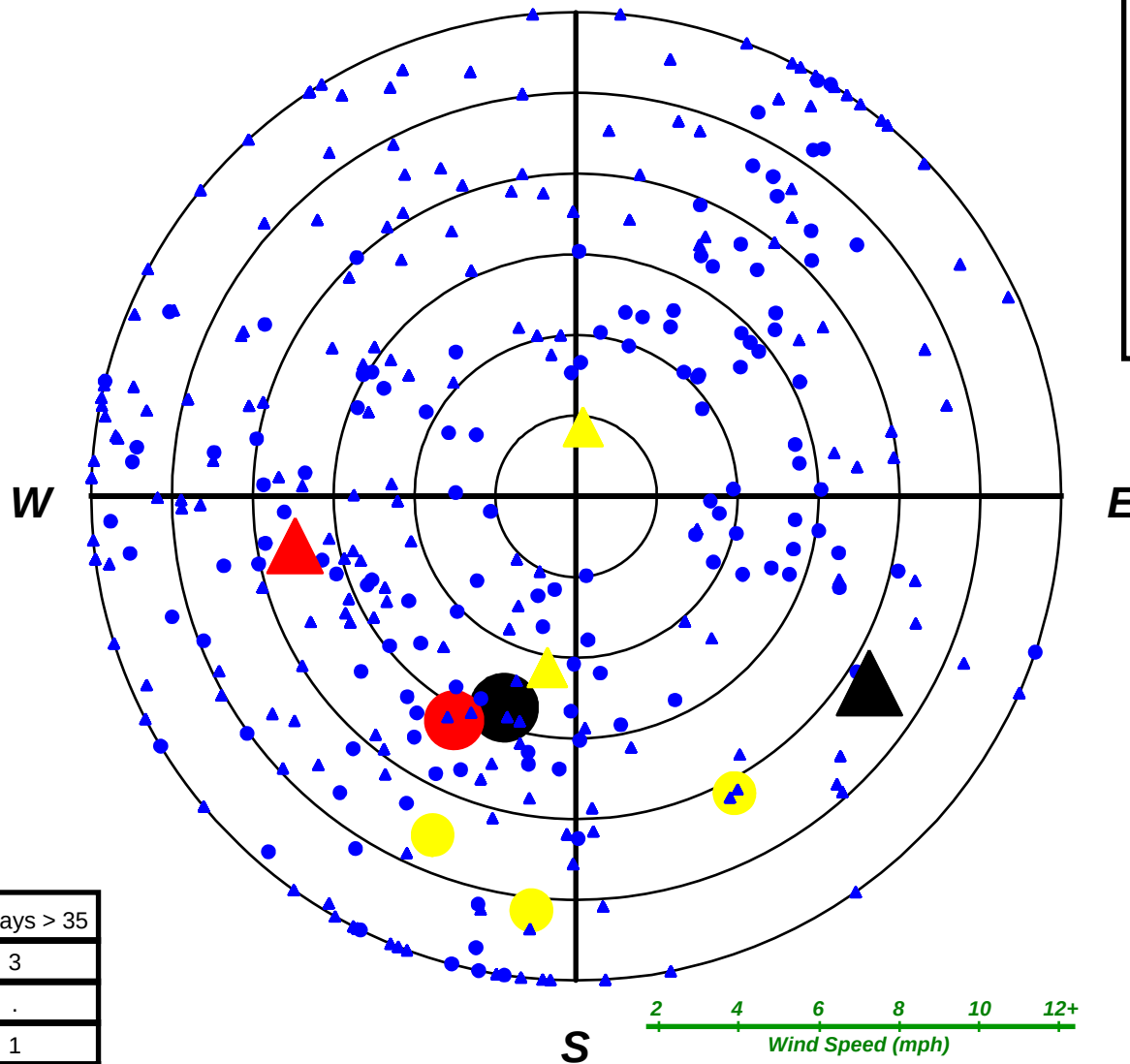
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	37.6	3
2006	27.6	.
2007	28.6	1
Design Value	31-A	

All exceedances plotted

Meteorological data from 23.4 miles away
CHICAGO_OHARE_INTL_AP (ID=94846)

Chicago-Gary-Lake County, IL-IN [Will County, IL]
Pollution Rose, 2005-2007

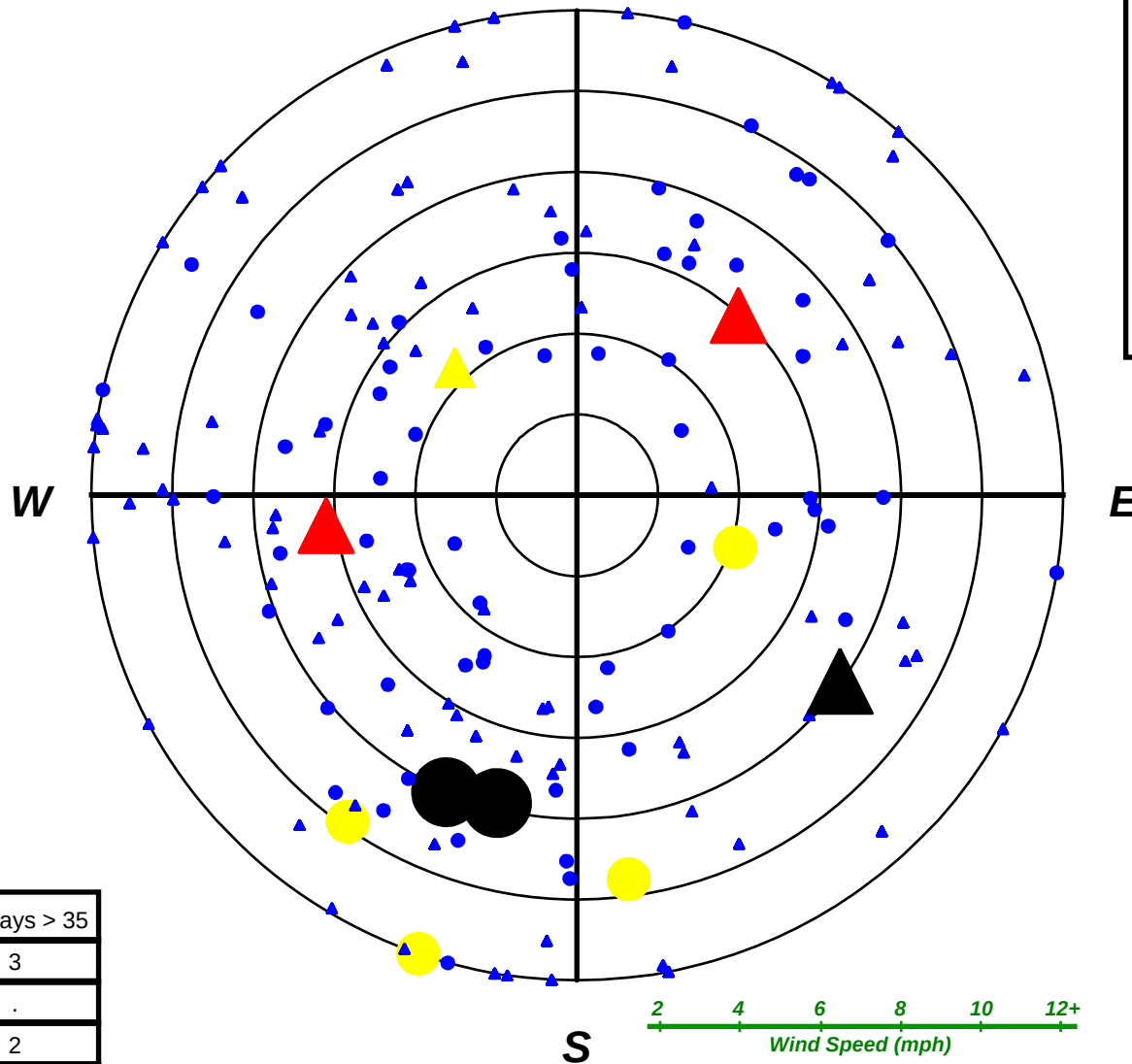
Site 171971002

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	45.3	3
2006	25.9	.
2007	38.8	2
Design Value	37-NA	

All exceedances plotted

Meteorological data from 25.9 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Will County, IL]
Pollution Rose, 2005-2007

Site 171971011

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

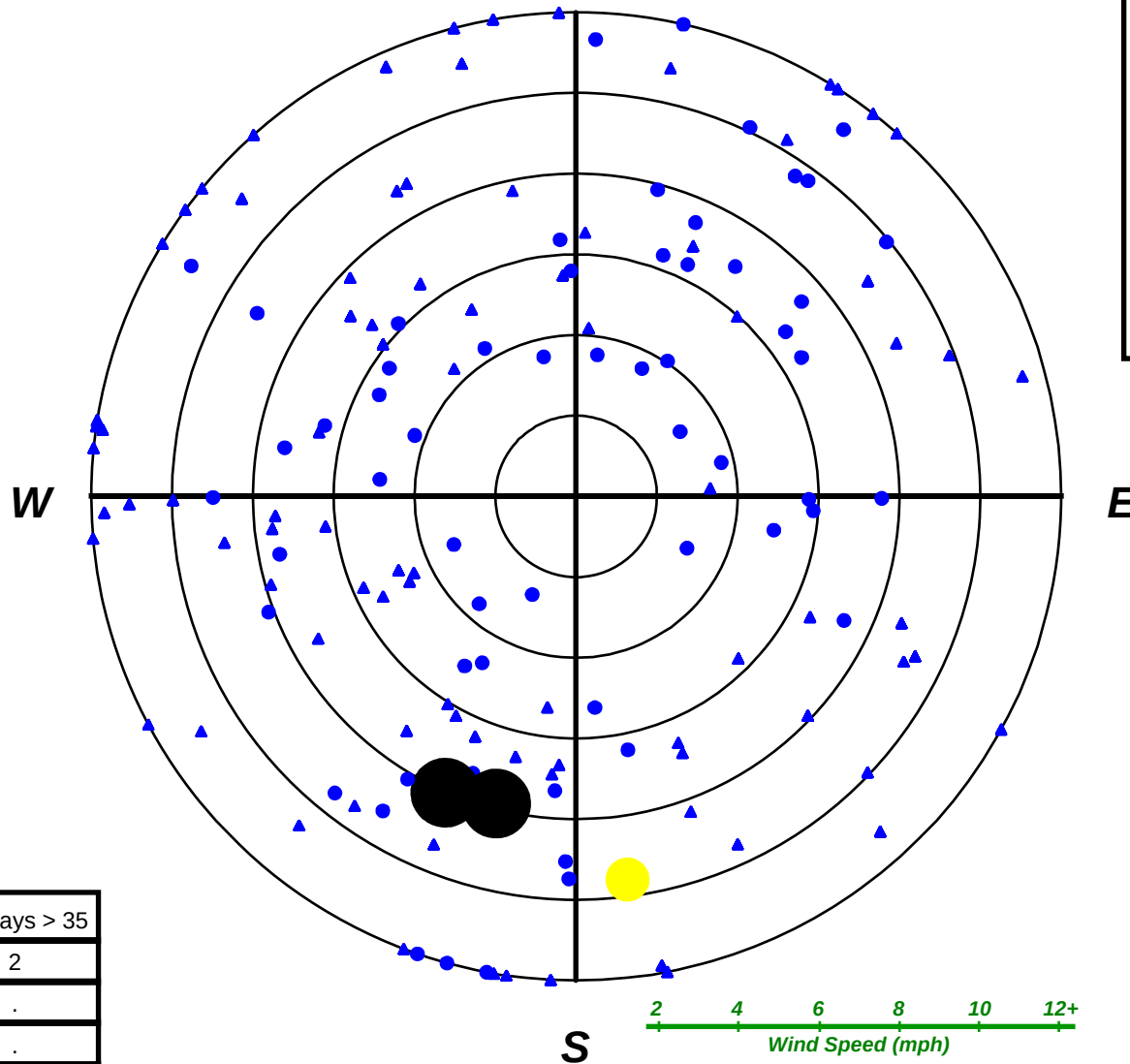
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	43.8	2
2006	21.6	.
2007	29.3	.
Design Value	32-inc-a	

All exceedances plotted

Meteorological data from 45.0 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Lake County, IN]
Pollution Rose, 2005-2007

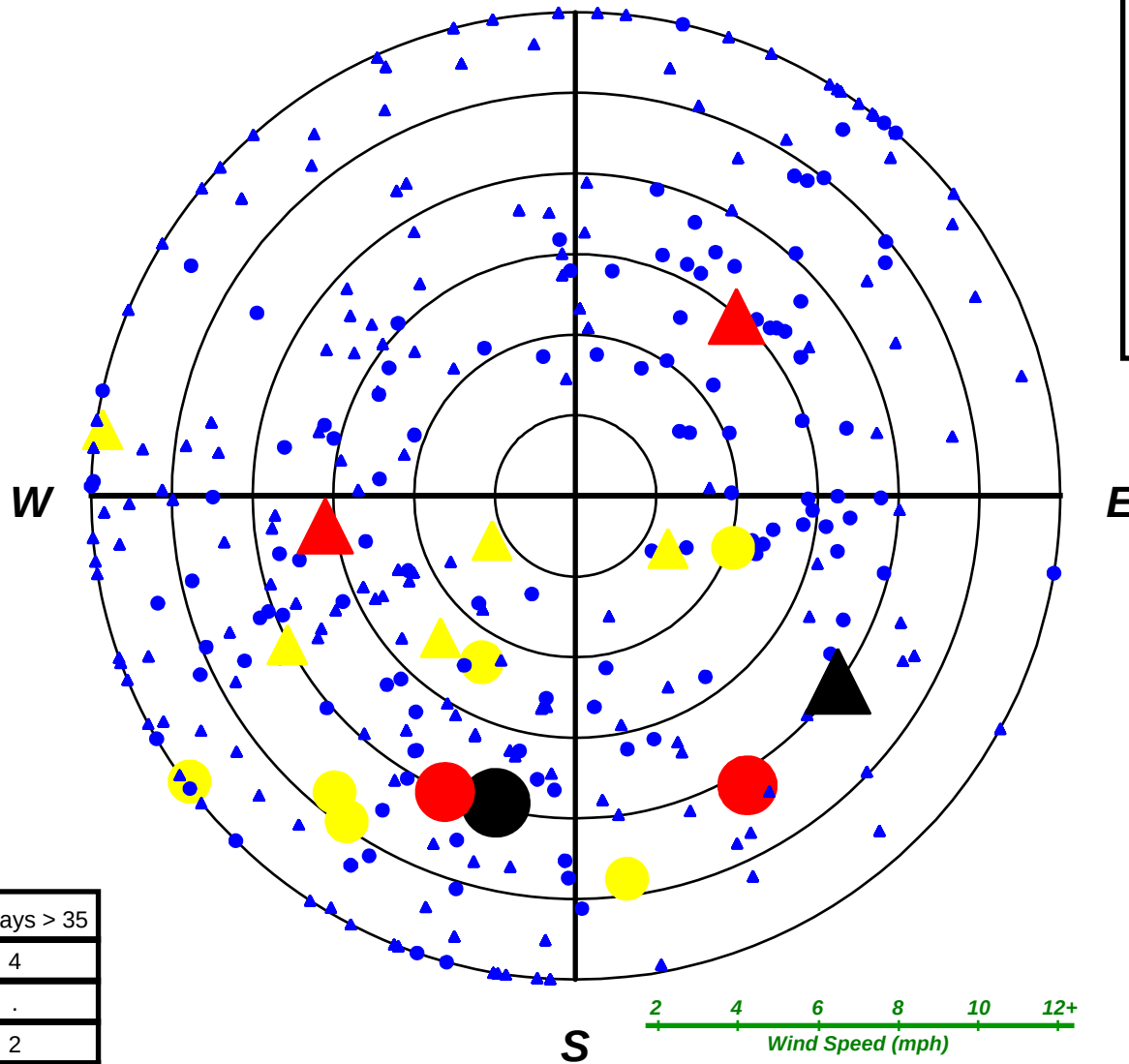
Site 180890006

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	39.9	4
2006	29.4	.
2007	37.2	2
Design Value	36-NA	

All exceedances plotted

Meteorological data from 18.9 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Lake County, IN]
Pollution Rose, 2005-2007

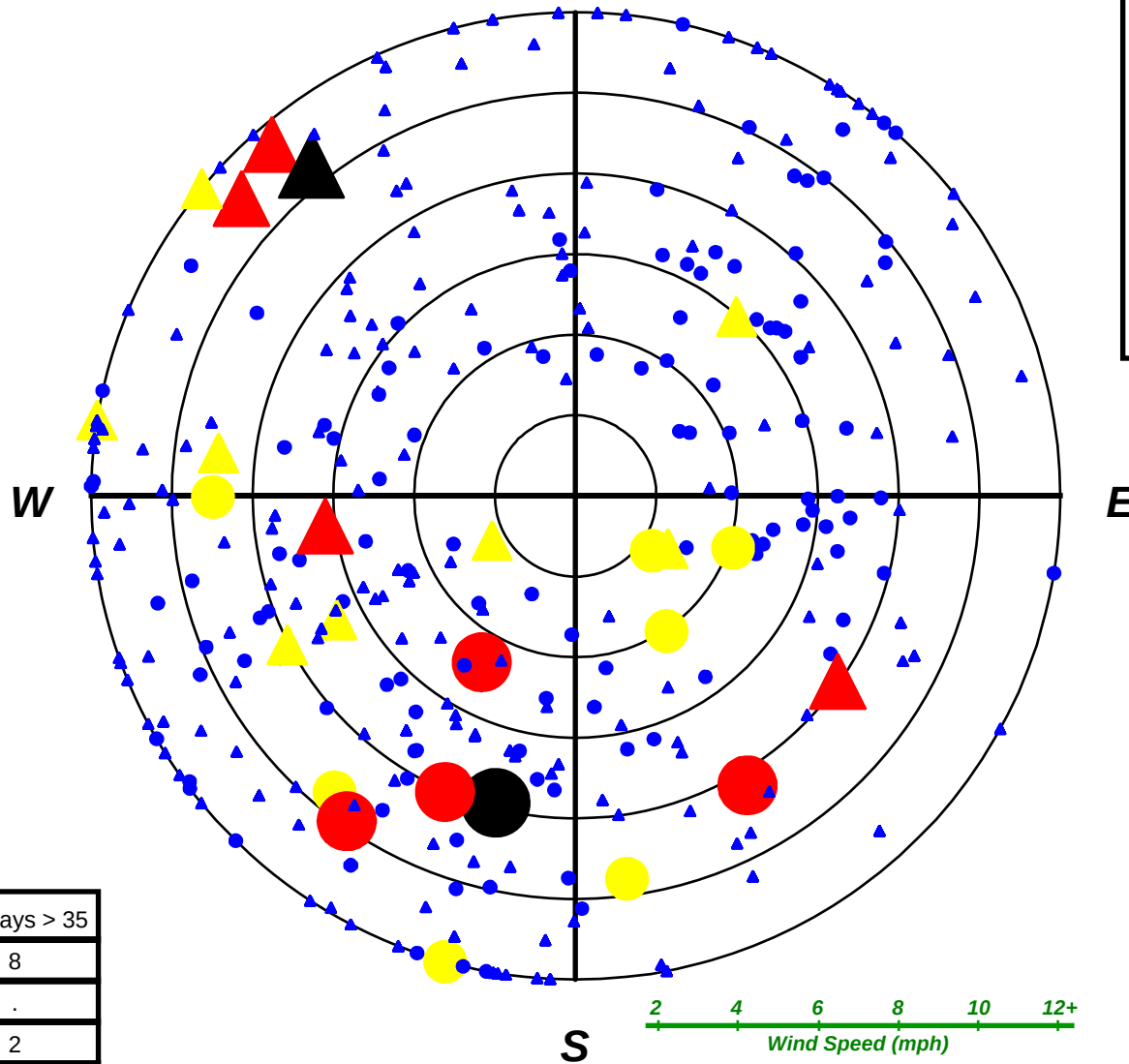
Site 180890022

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



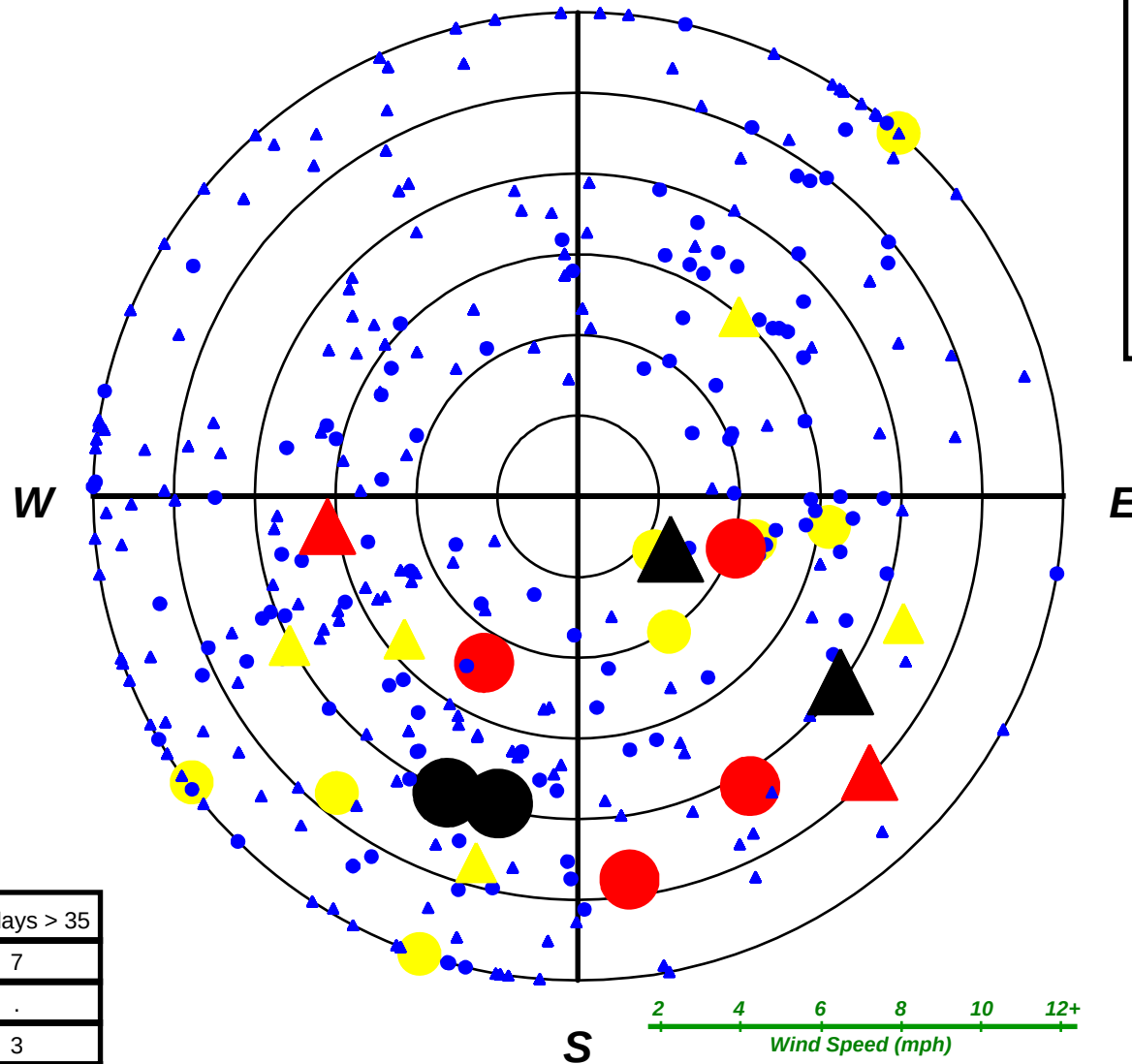
Year	98th %-ile	# days > 35
2005	40.4	8
2006	28.5	.
2007	35.2	2
Design Value	35-A	

All exceedances plotted

Meteorological data from 26.0 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Lake County, IN]
Pollution Rose, 2005-2007

Site 180890026



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

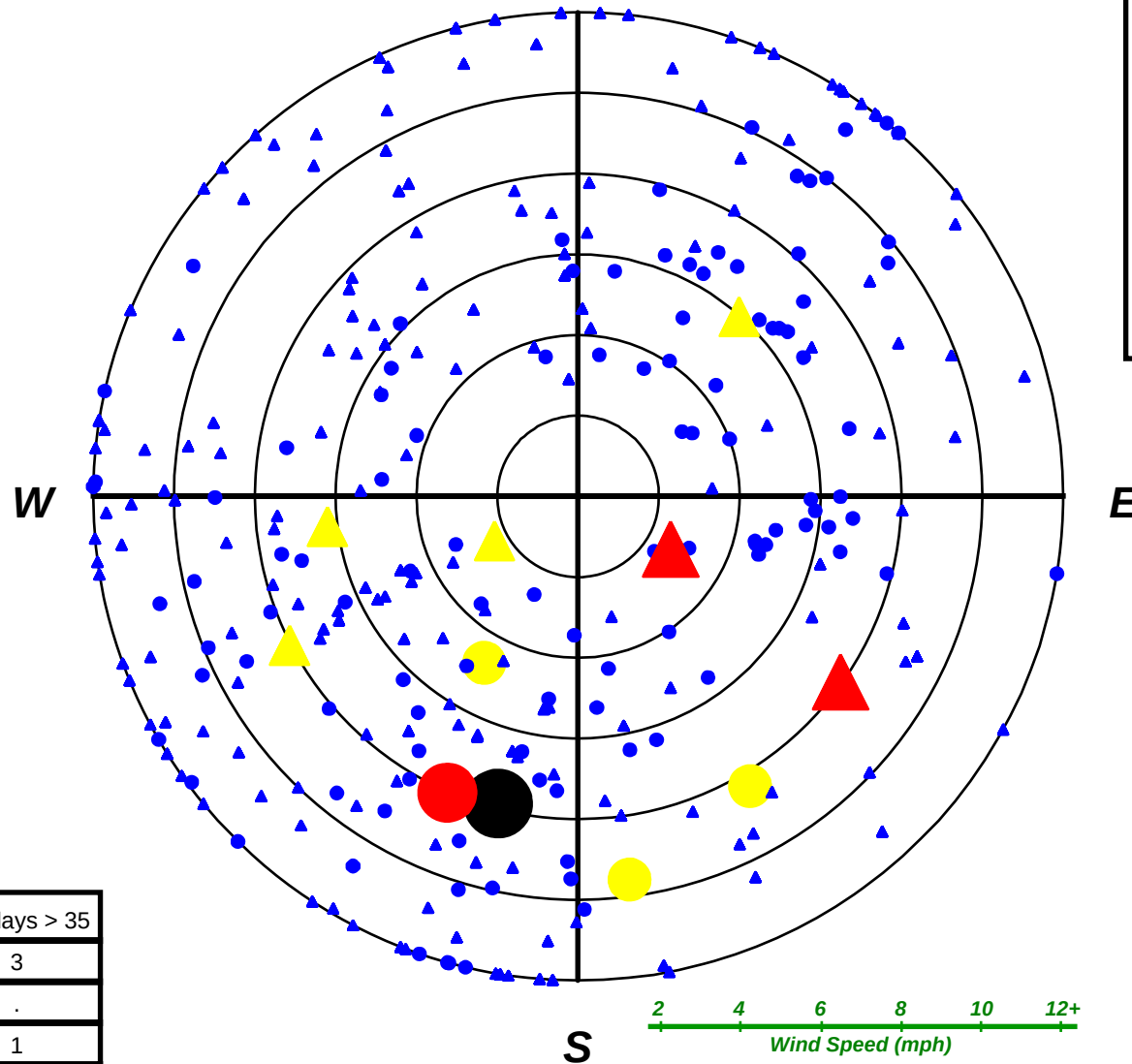
Year	98th %-ile	# days > 35
2005	43.7	7
2006	30.4	.
2007	36.8	3
Design Value	37-NA	

All exceedances plotted

Meteorological data from 22.9 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Lake County, IN]
Pollution Rose, 2005-2007

Site 180890027



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	37.1	3
2006	25.8	.
2007	34.1	1
Design Value	32-inc-a	

All exceedances plotted

Meteorological data from 23.4 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Lake County, IN]
Pollution Rose, 2005-2007

Site 180890031

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

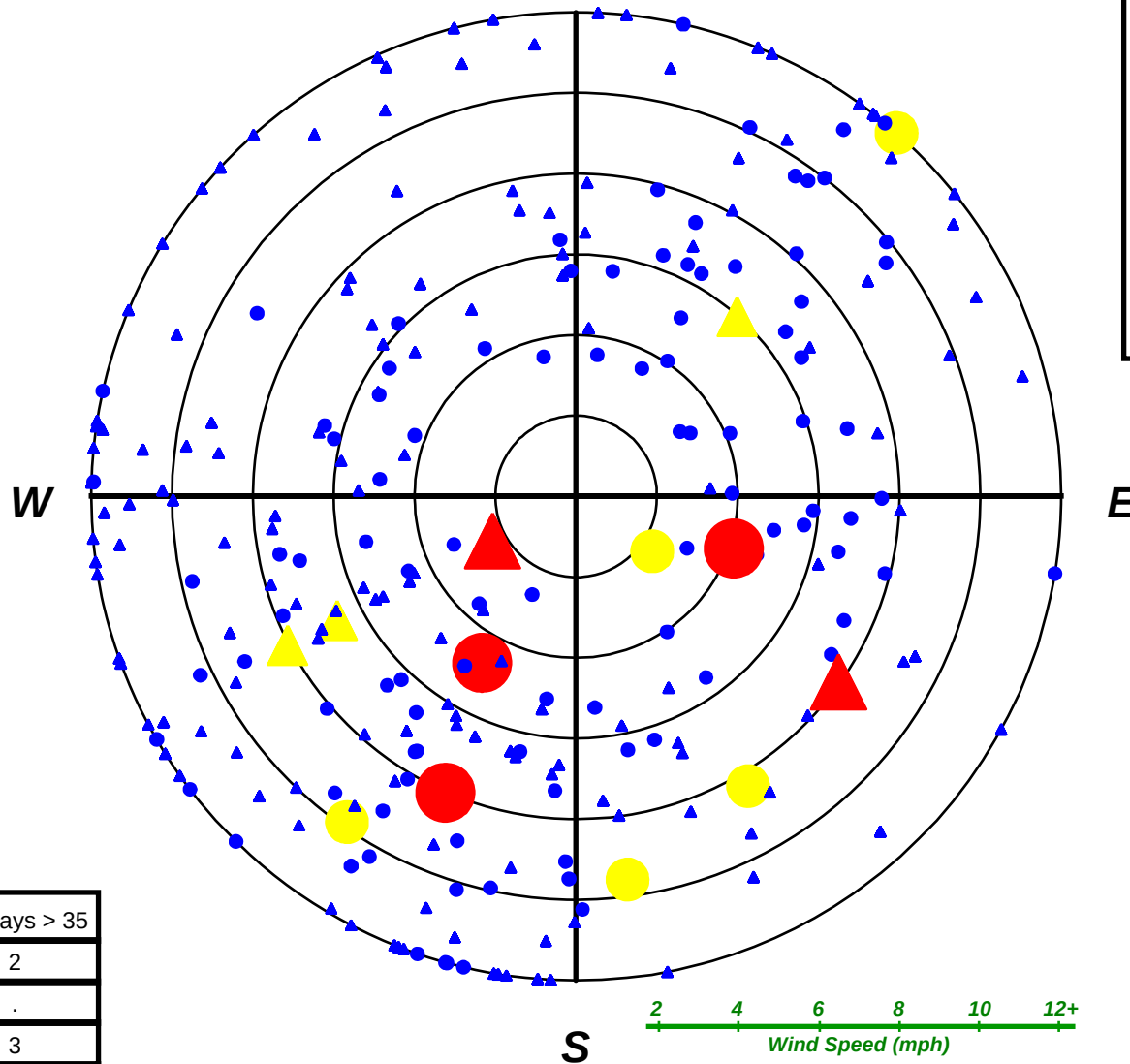
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	38.7	2
2006	27.1	.
2007	36.2	3
Design Value	34-A	

All exceedances plotted

Meteorological data from 24.6 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Lake County, IN]
Pollution Rose, 2005-2007

Site 180891003

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

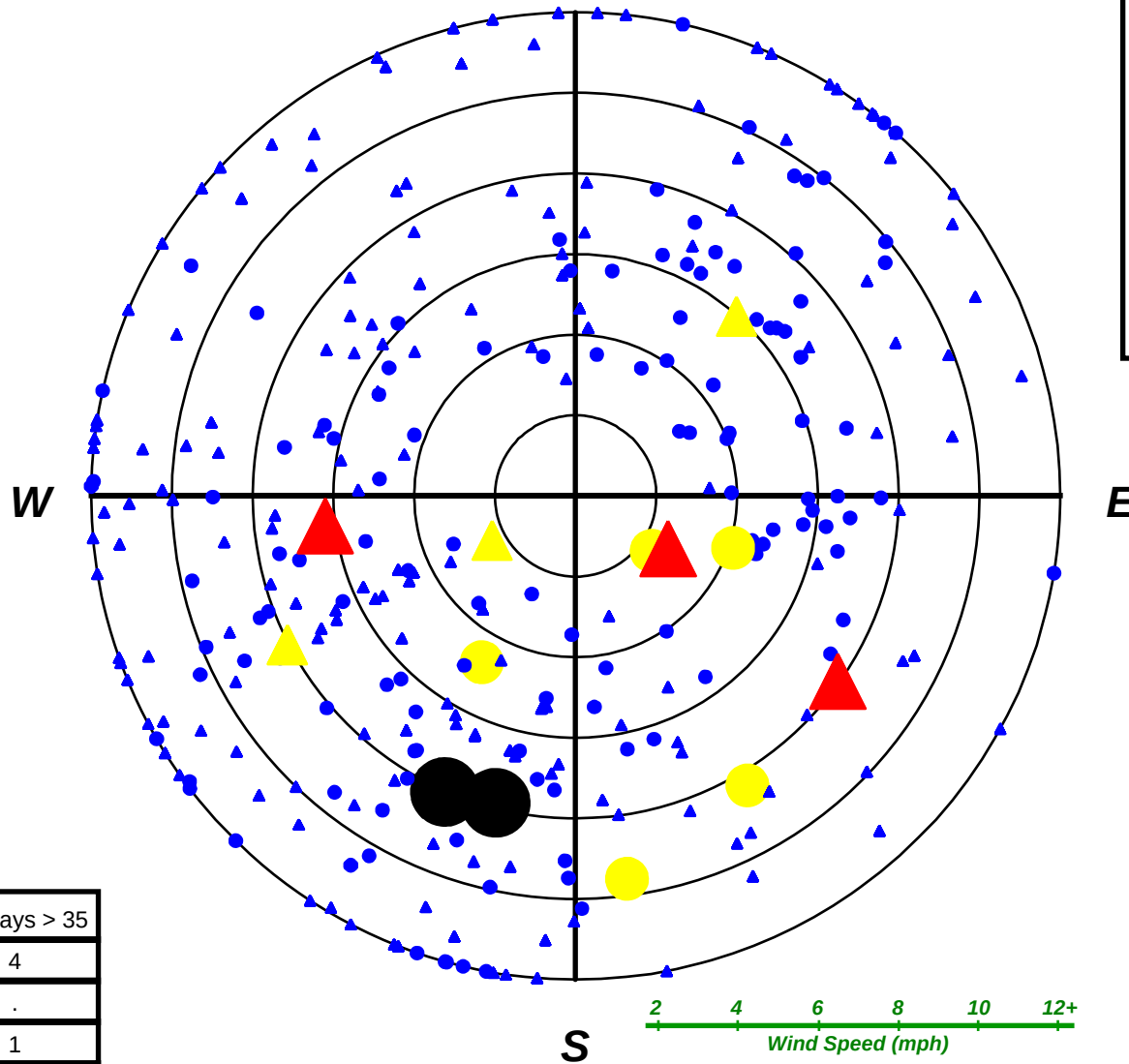
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	39.0	4
2006	25.8	.
2007	33.8	1
Design Value	33-A	

All exceedances plotted

Meteorological data from 22.2 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Lake County, IN]
Pollution Rose, 2005-2007

Site 180892004

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

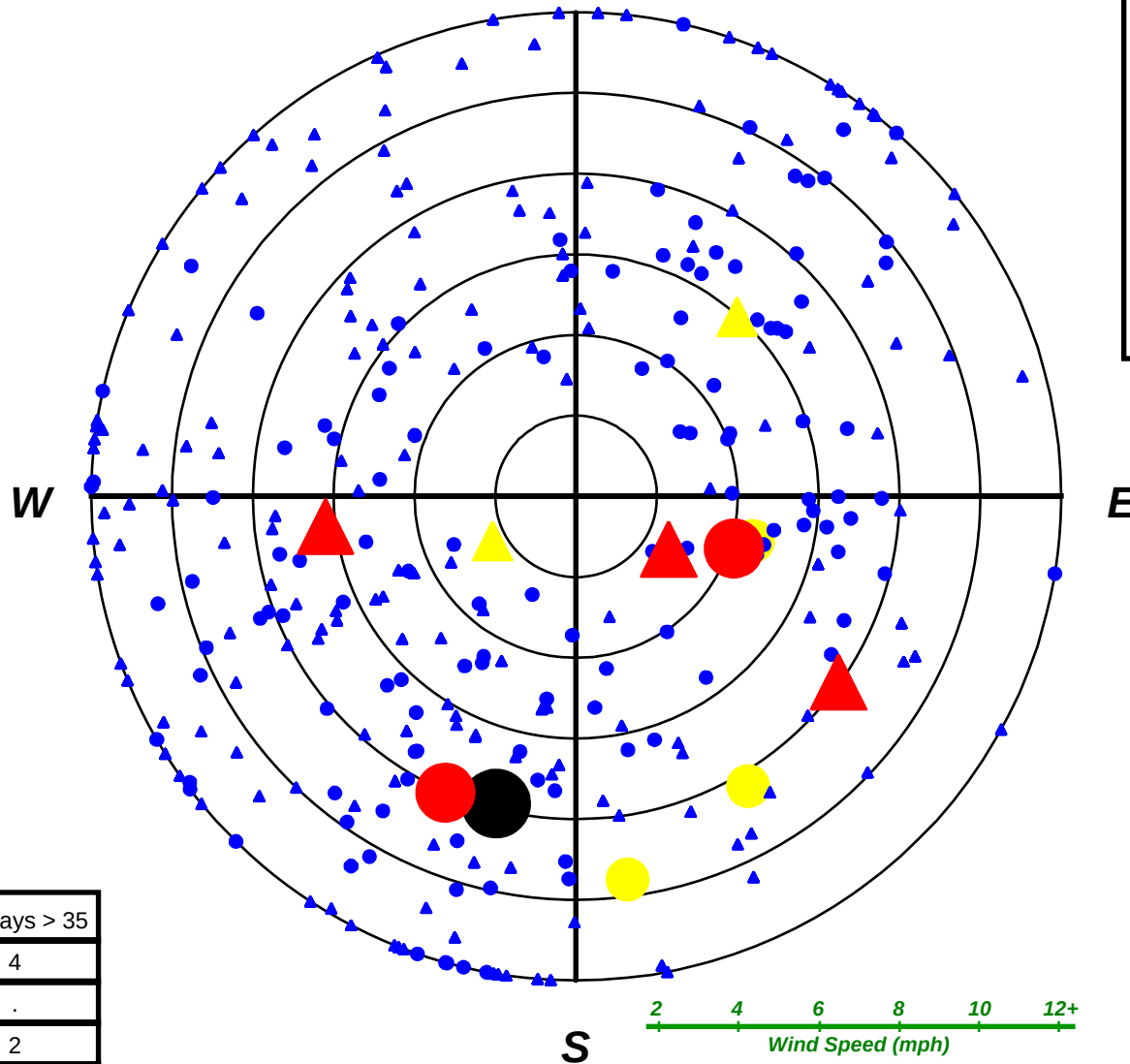
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



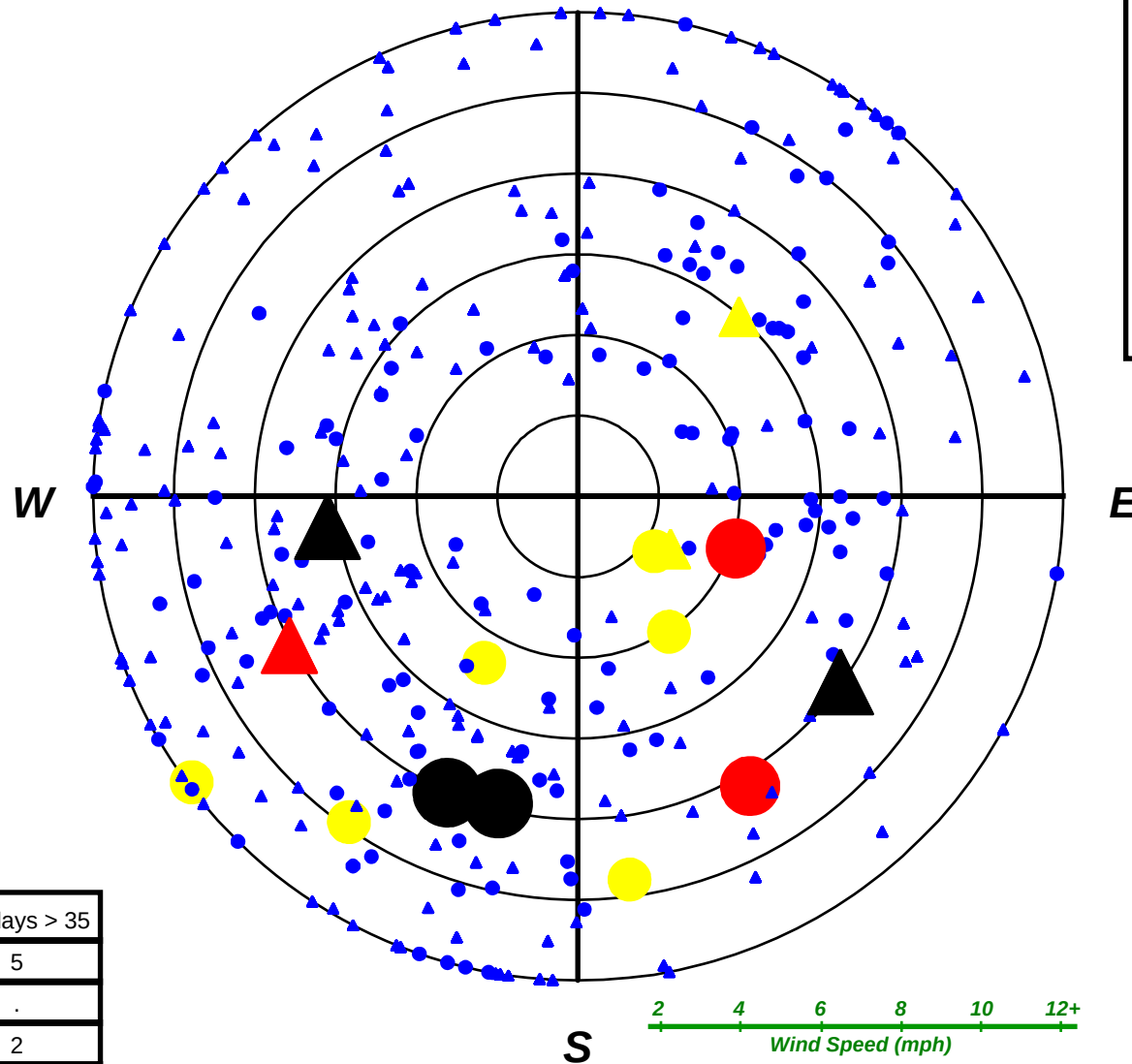
Year	98th %-ile	# days > 35
2005	37.6	4
2006	26.2	.
2007	34.9	2
Design Value	33-A	

All exceedances plotted

Meteorological data from 19.7 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Lake County, IN]
Pollution Rose, 2005-2007

Site 180892010



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	40.9	5
2006	27.9	.
2007	35.2	2
Design Value	35-A	

All exceedances plotted

Meteorological data from 14.4 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [LaPorte County, IN]
Pollution Rose, 2005-2007

Site 180910011

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

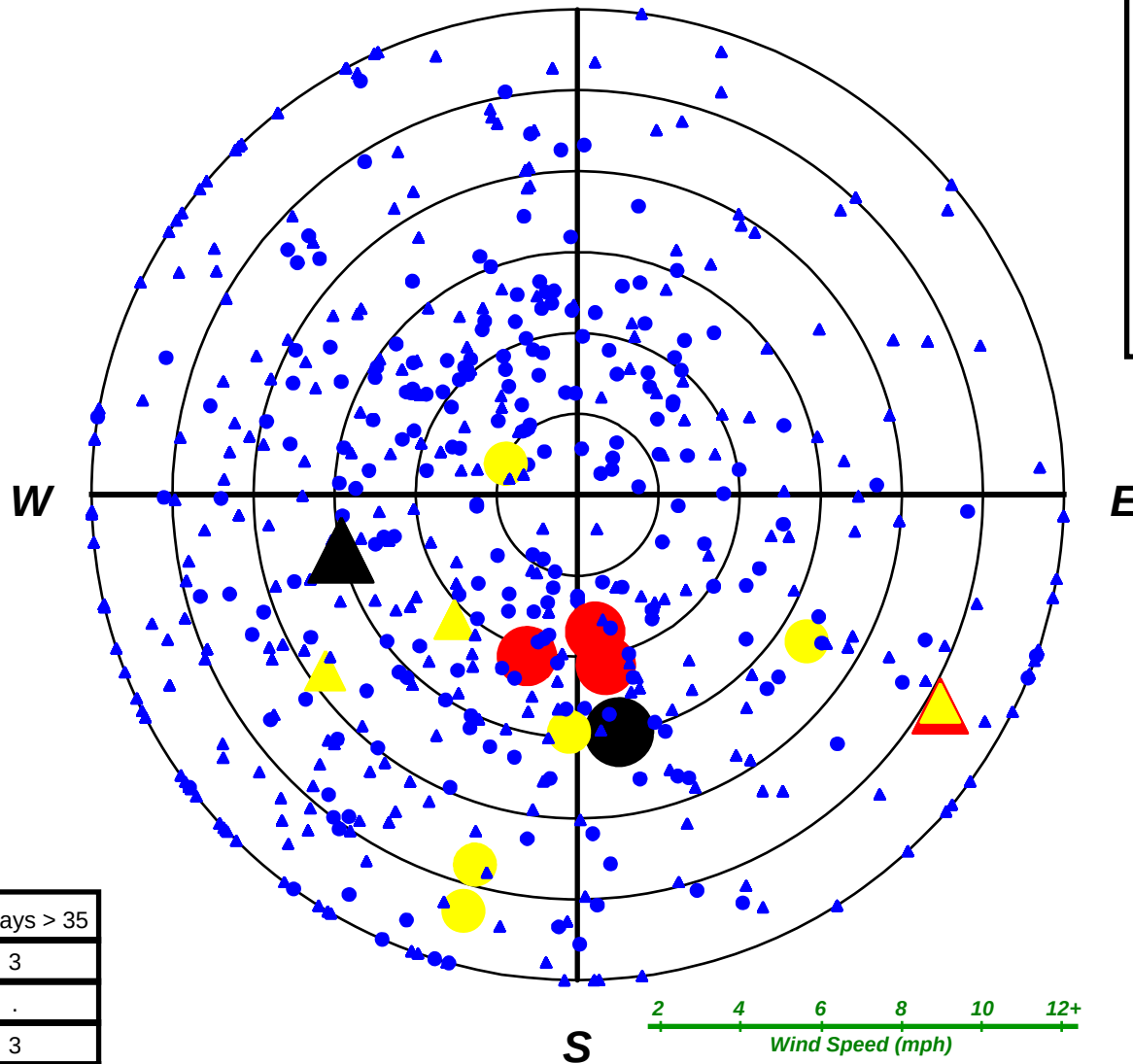
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	37.5	3
2006	28.1	.
2007	31.5	3
Design Value	32-A	

All exceedances plotted

Meteorological data from 28.8 miles away
SOUTH_BEND_MICHIANA_RGNL_AP (ID=14848)

Chicago-Gary-Lake County, IL-IN [LaPorte County, IN]
Pollution Rose, 2005-2007

Site 180910012

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

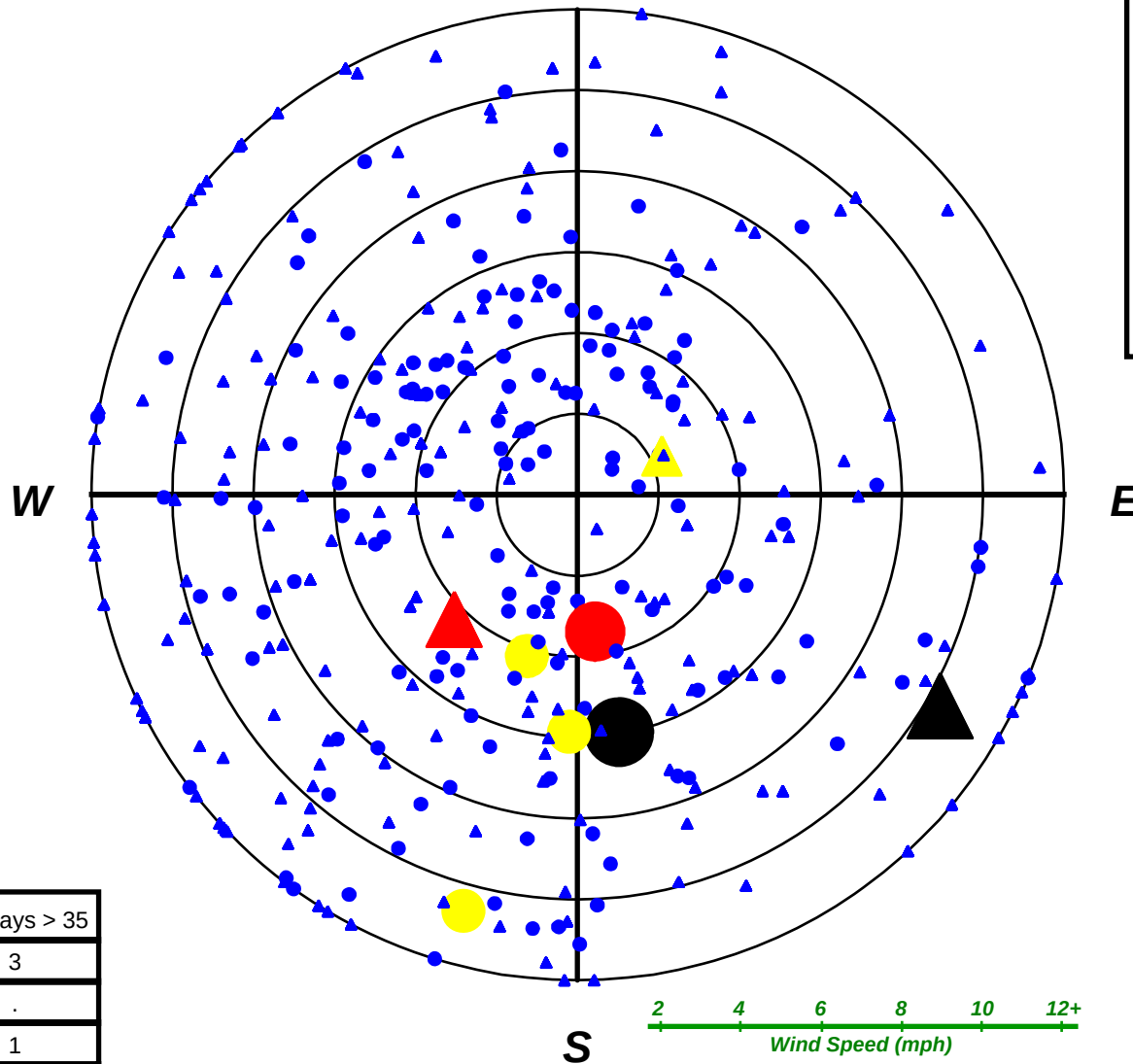
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



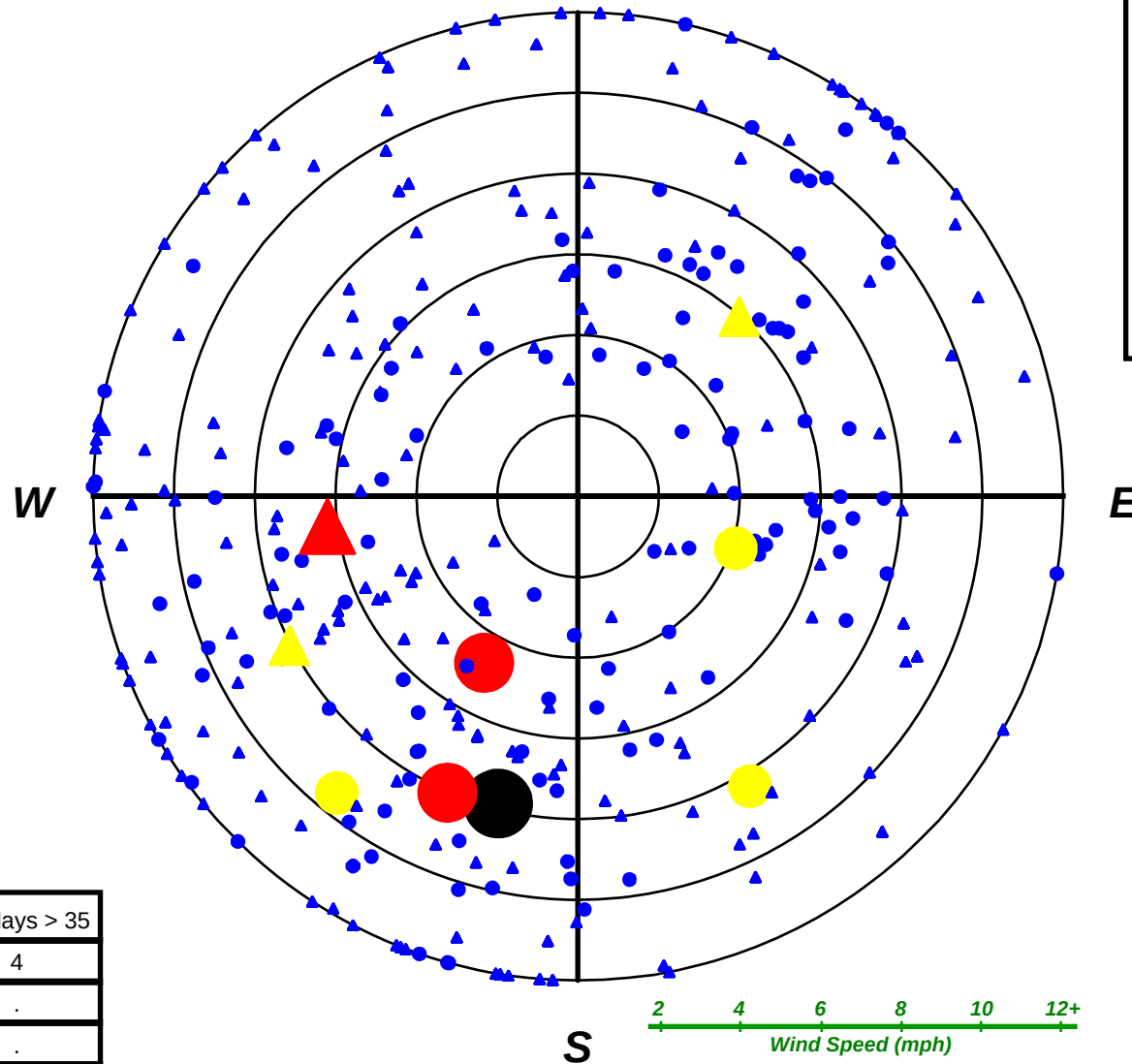
Year	98th %-ile	# days > 35
2005	36.5	3
2006	24.7	.
2007	31.0	1
Design Value	31-A	

All exceedances plotted

Meteorological data from 21.6 miles away
SOUTH_BEND_MICHIANA_RGNL_AP (ID=14848)

Chicago-Gary-Lake County, IL-IN [Porter County, IN]
Pollution Rose, 2005-2007

Site 181270020



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	37.6	4
2006	26.6	.
2007	30.6	.
Design Value	32-inc-a	

All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 35.8 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Porter County, IN]
Pollution Rose, 2005-2007

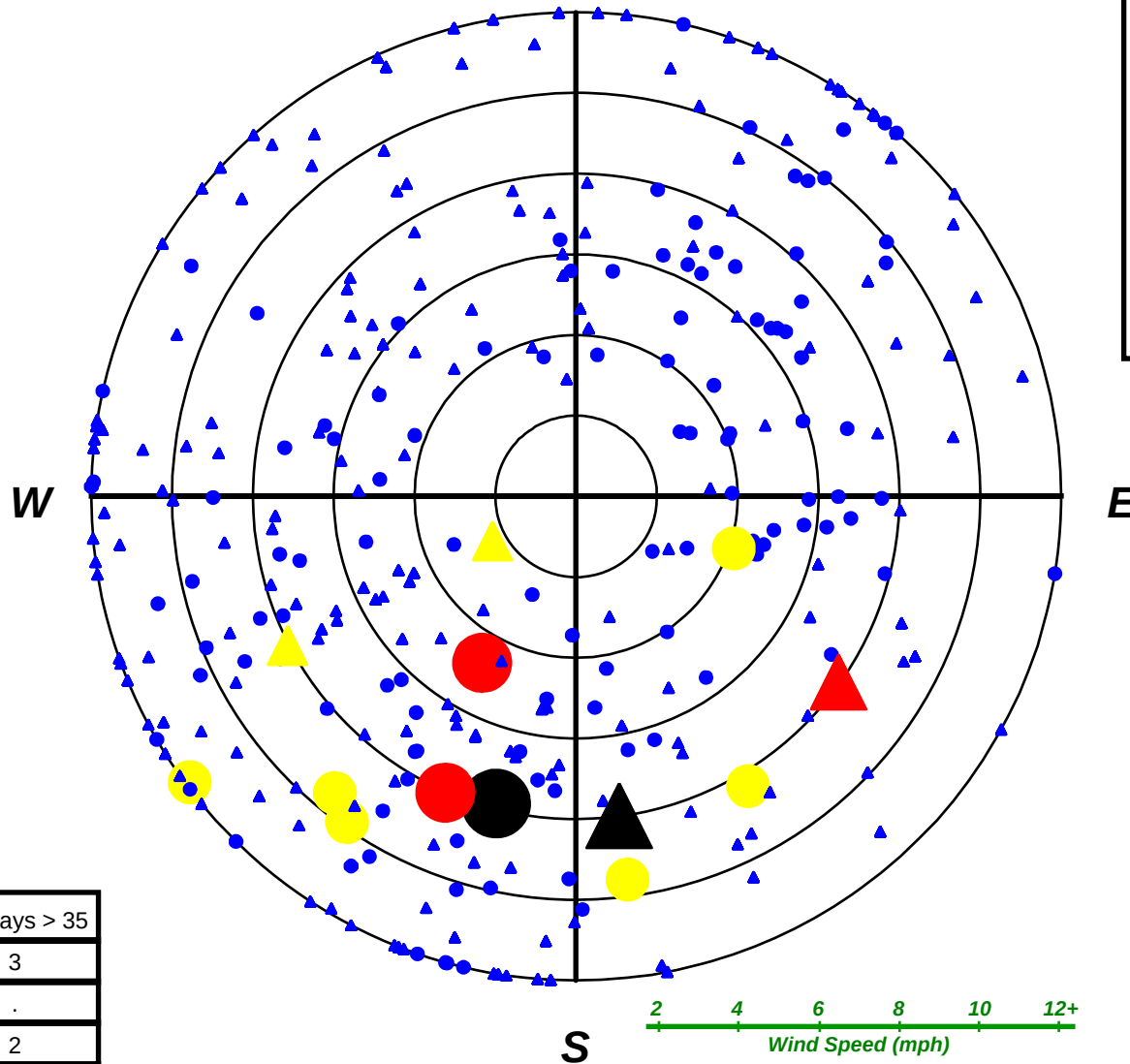
Site 181270024

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	37.5	3
2006	26.1	.
2007	33.3	2
Design Value	32-A	

All exceedances plotted

Meteorological data from 30.6 miles away
CHICAGO_MIDWAY_AP (ID=14819)

Chicago-Gary-Lake County, IL-IN [Kenosha County, WI]
Pollution Rose, 2005-2007

Site 550590019

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

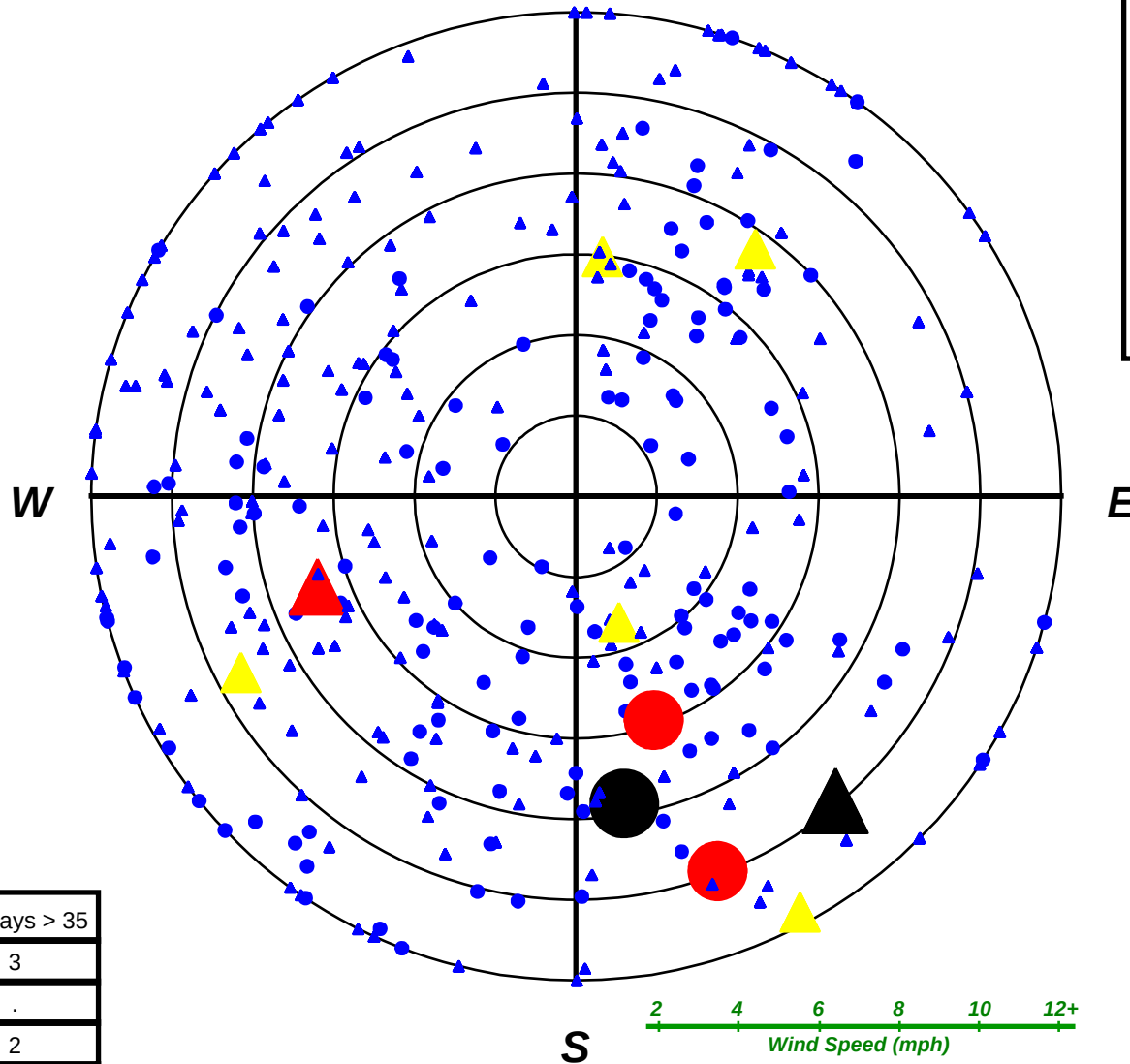
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



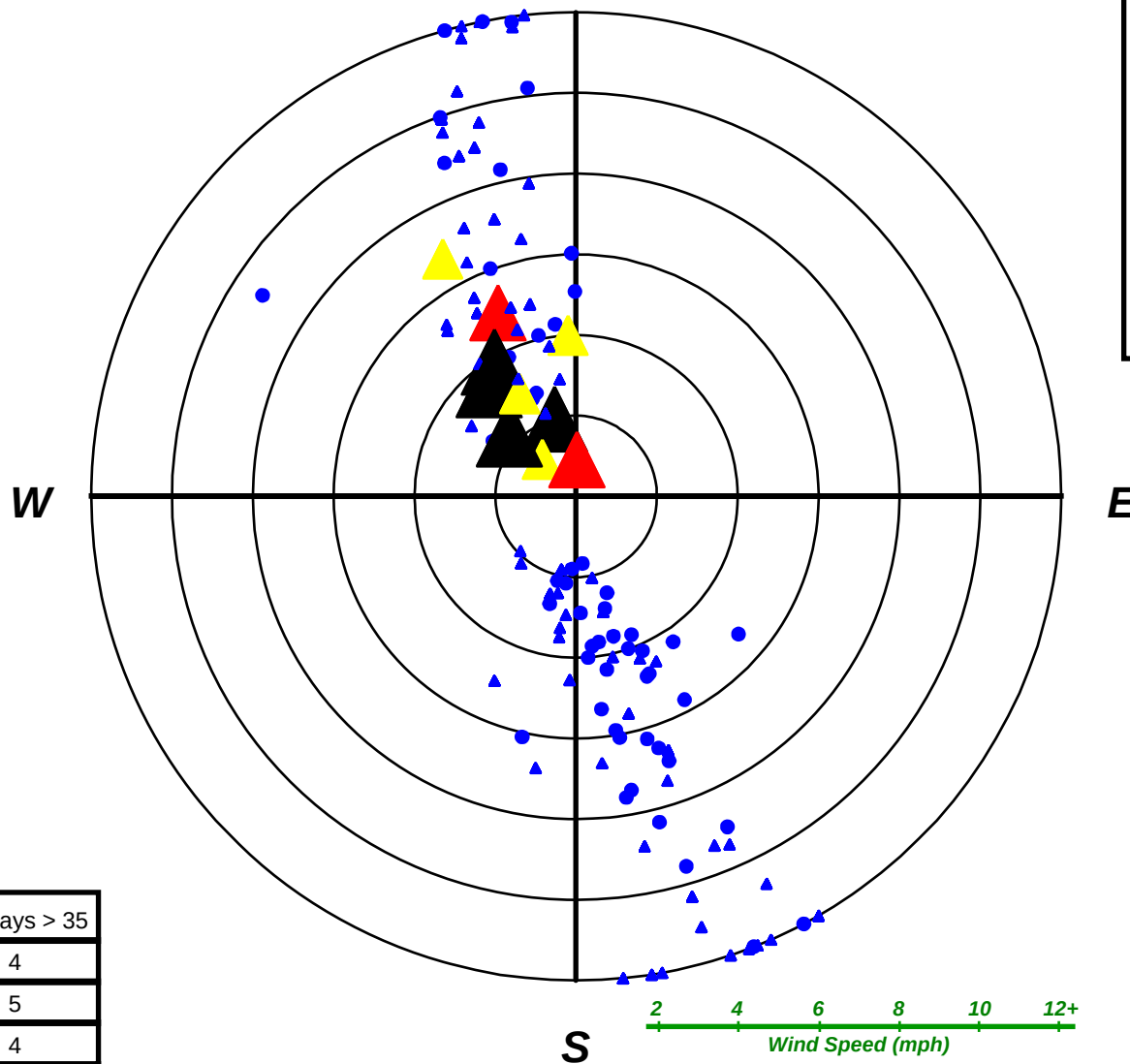
Year	98th %-ile	# days > 35
2005	36.3	3
2006	30.7	.
2007	35.2	2
Design Value	34-A	

All exceedances plotted

Meteorological data from 31.1 miles away
MILWAUKEE MITCHELL INTL AP (ID=14839)

Chico, CA [Butte County, CA]
Pollution Rose, 2005-2007

Site 060070002



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

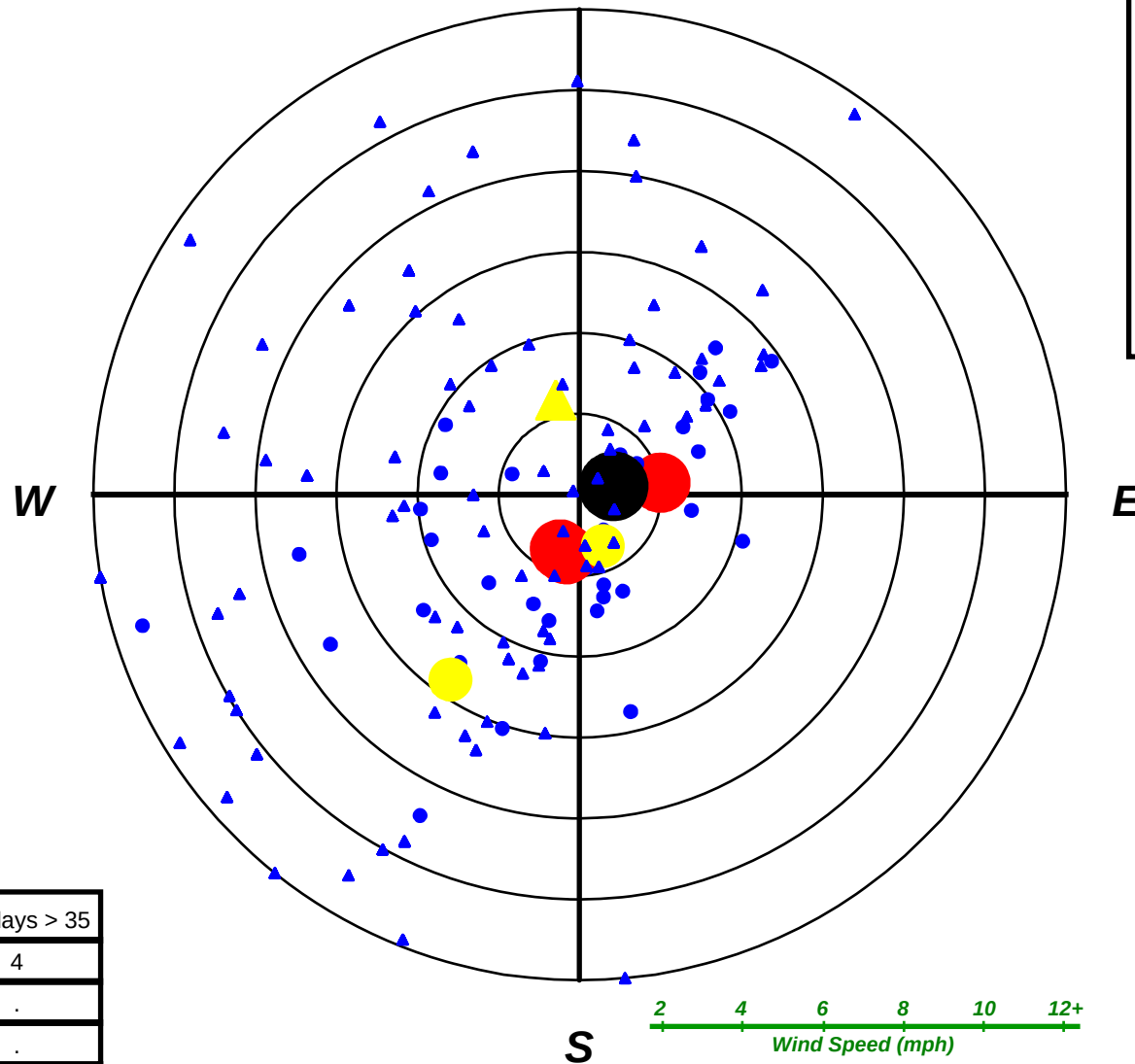
Year	98th %-ile	# days > 35
2005	54.0	4
2006	59.0	5
2007	53.0	4
Design Value	55-NA	

7 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 34.7 miles away
RED_BLUFF_MUNICIPAL_ARPT (ID=24216)

**Cincinnati-Hamilton, OH-KY-IN [Campbell County, KY]
Pollution Rose, 2005-2007**

Site 210370003



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	38.0	4
2006	25.2	.
2007	.	.
Design Value	32-inc-a	

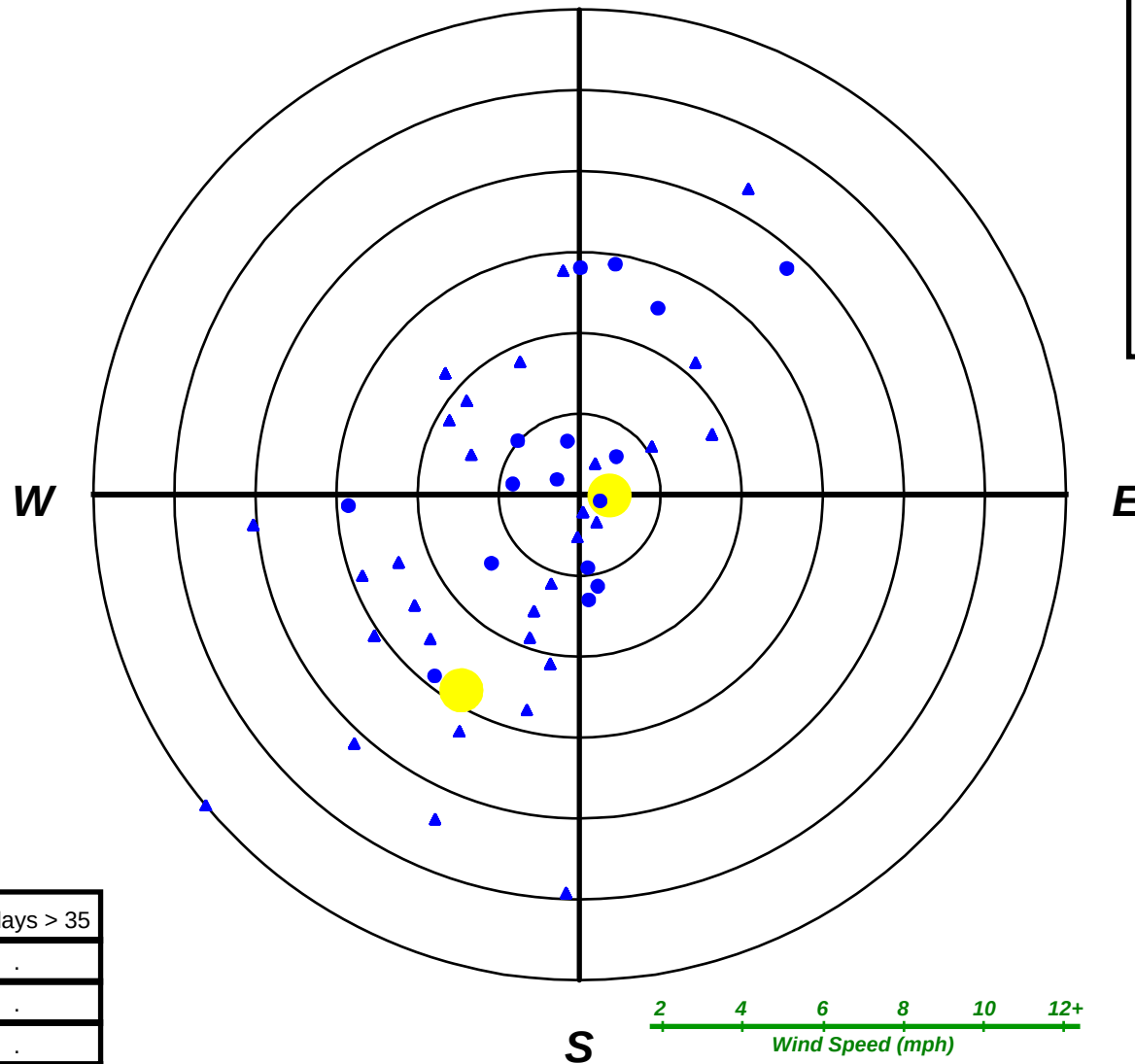
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 3.0 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Campbell County, KY]
Pollution Rose, 2005-2007**

Site 210373002



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

$\triangle$ cool (Oct-Apr)

$\circ$ warm (May-Sep)

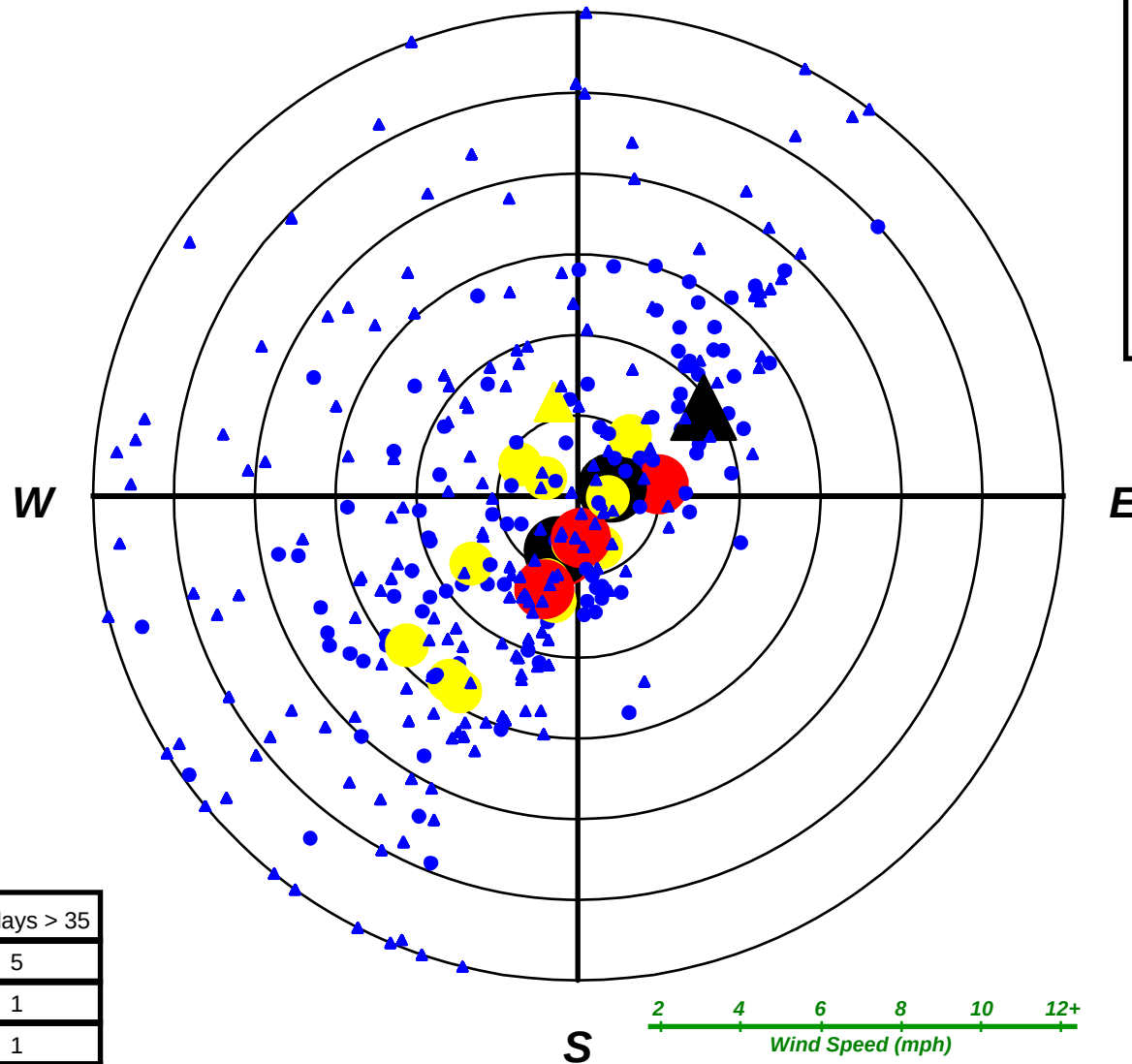
Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	34.0	.
Design Value	34-inc-a	

No exceedances

*Meteorological data from 6.2 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Kenton County, KY]
Pollution Rose, 2005-2007**

Site 211170007



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	42.1	5
2006	32.6	1
2007	34.6	1
Design Value	36-NA	

All exceedances plotted

Meteorological data from 6.1 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)

**Cincinnati-Hamilton, OH-KY-IN [Butler County, OH]
Pollution Rose, 2005-2007**

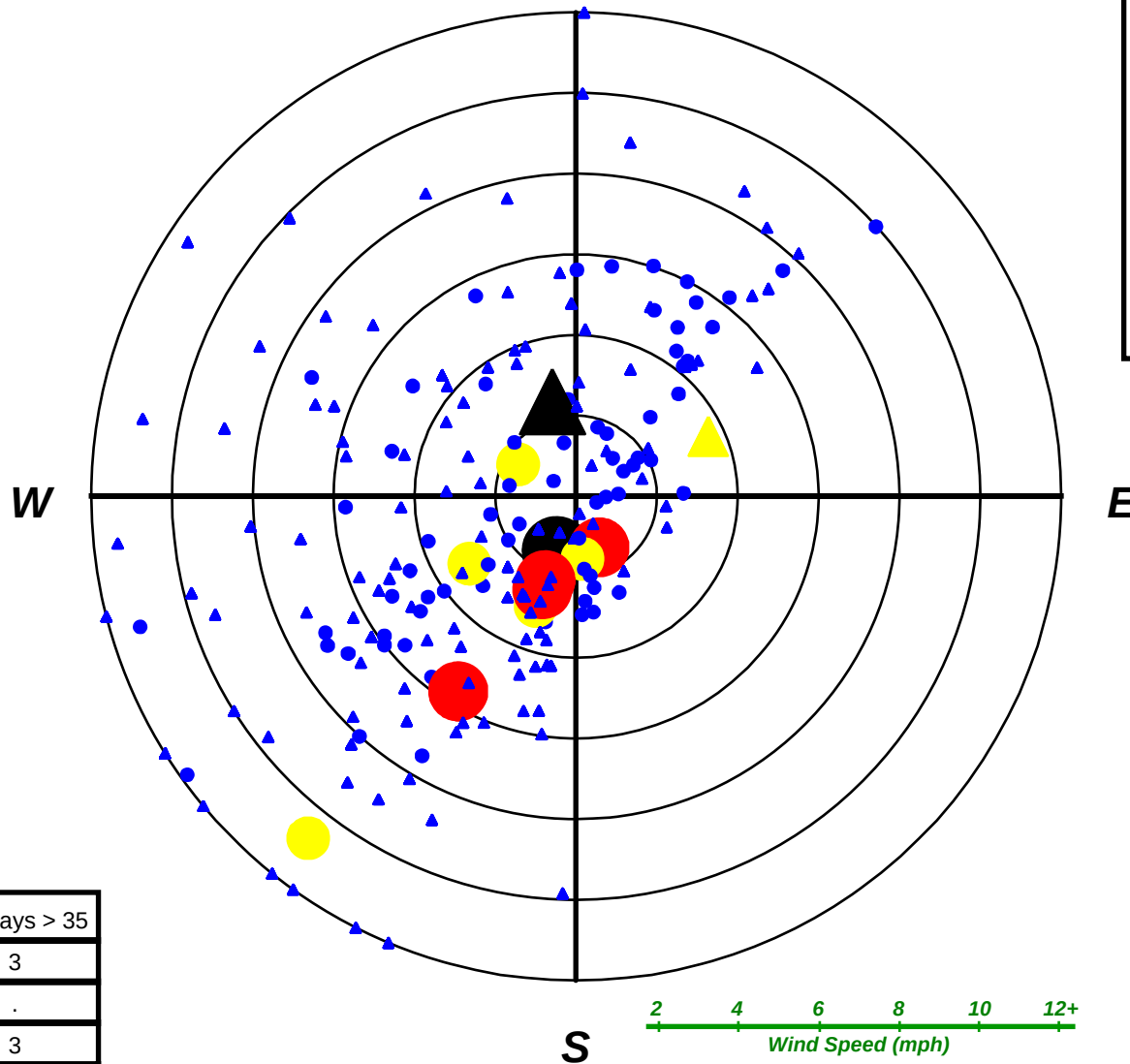
Site 390170003

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



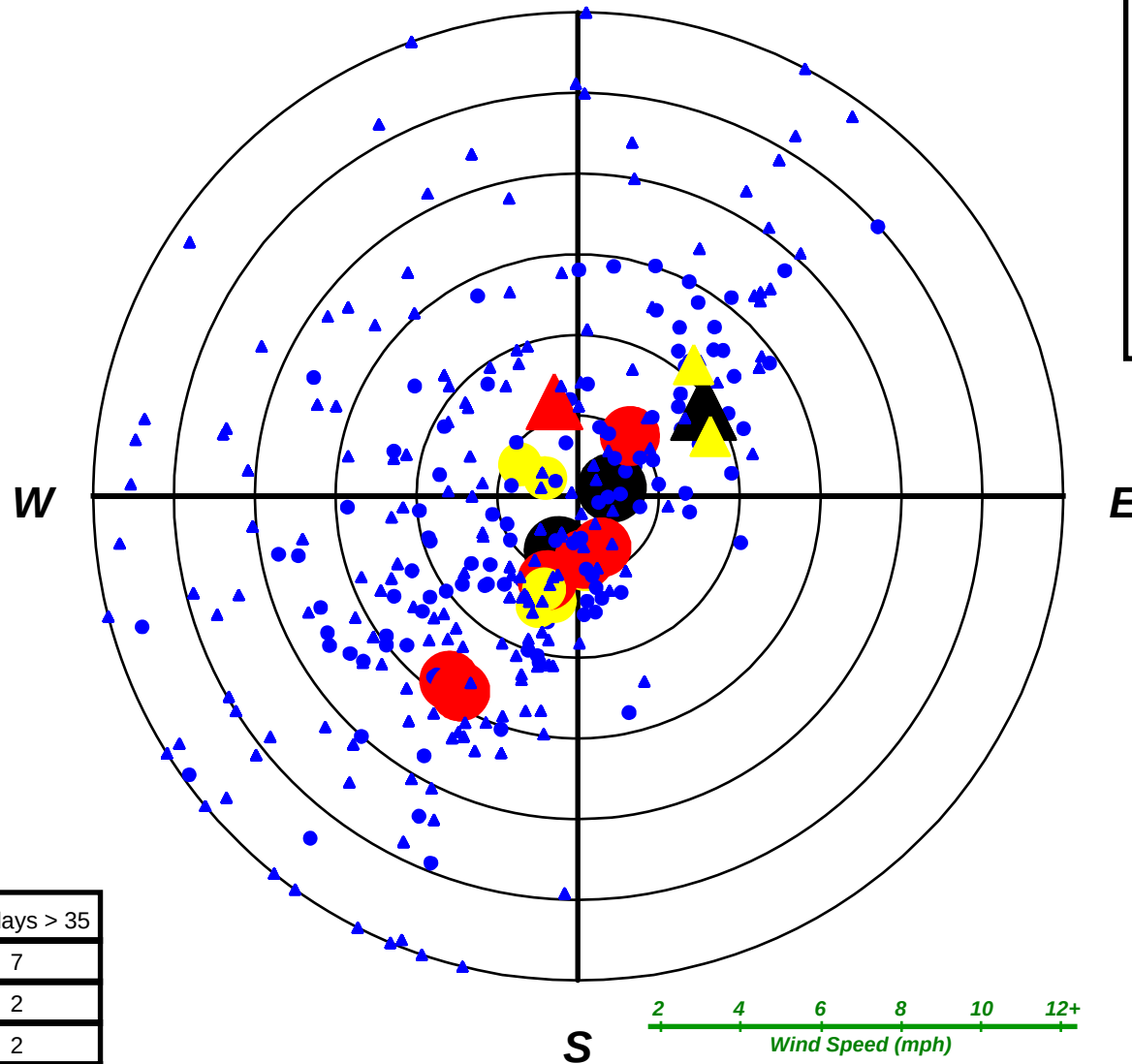
Year	98th %-ile	# days > 35
2005	47.6	3
2006	30.2	.
2007	36.8	3
Design Value	38-NA	

All exceedances plotted

*Meteorological data from 27.4 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Butler County, OH]
Pollution Rose, 2005-2007**

Site 390170016



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	43.4	7
2006	35.2	2
2007	34.5	2
Design Value	38-NA	

All exceedances plotted

*Meteorological data from 18.3 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Butler County, OH]
Pollution Rose, 2005-2007**

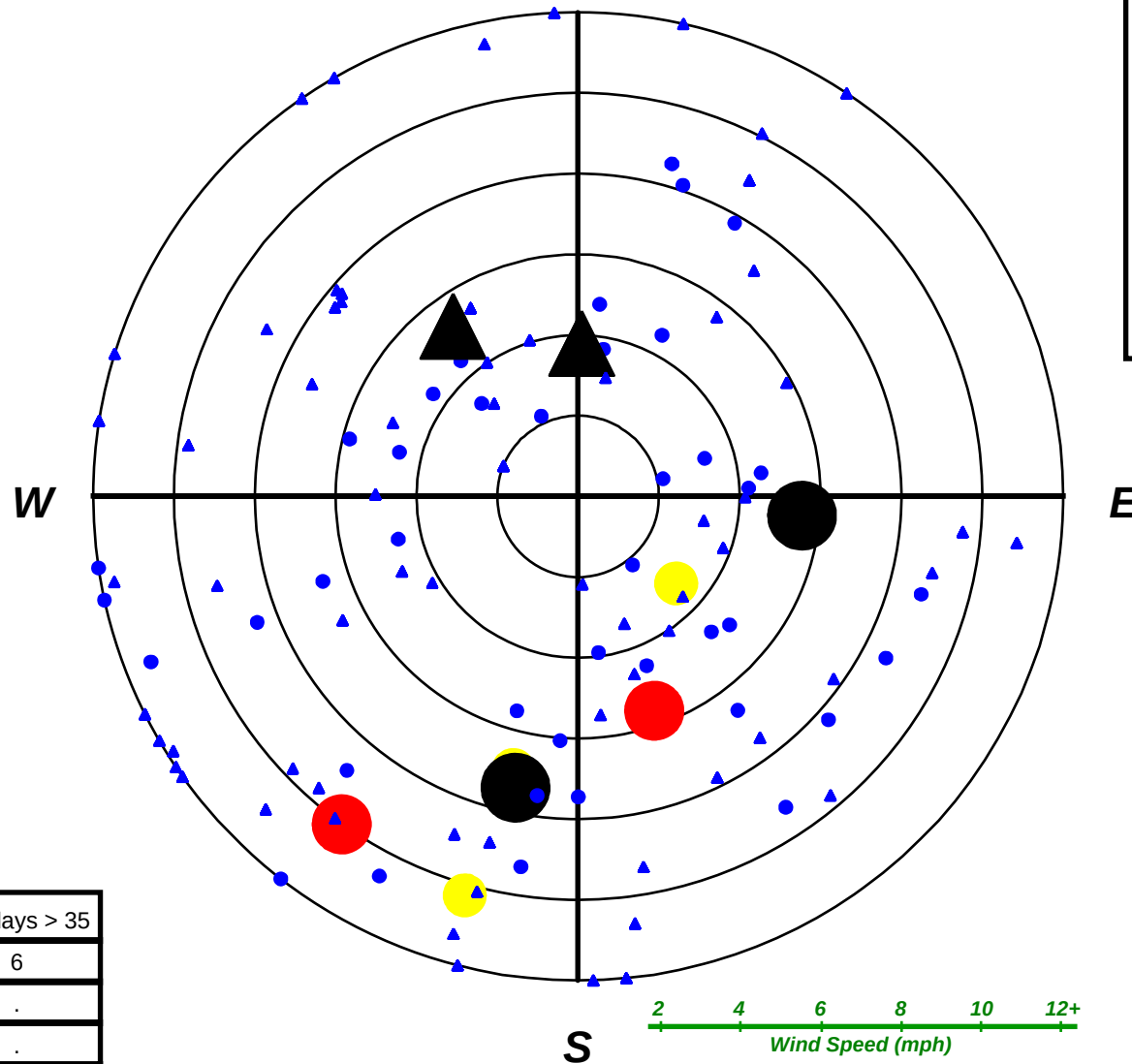
Site 390170017

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



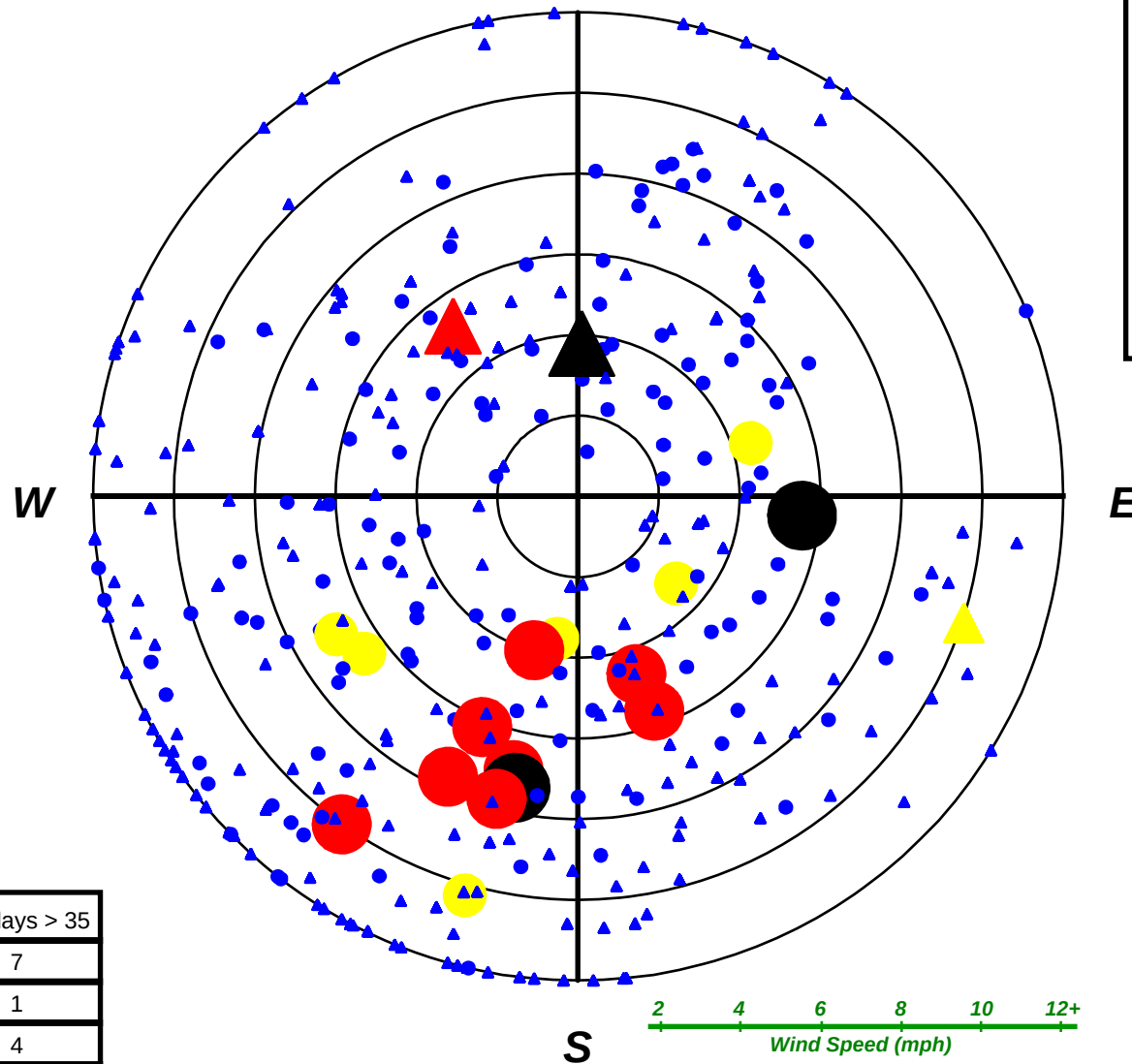
Year	98th %-ile	# days > 35
2005	44.9	6
2006	.	.
2007	.	.
Design Value	45-inc-na	

All exceedances plotted

*Meteorological data from 27.2 miles away
DAYTON INTERNATIONAL AIRPORT (ID=93815)*

**Cincinnati-Hamilton, OH-KY-IN [Butler County, OH]
Pollution Rose, 2005-2007**

Site 390171004



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

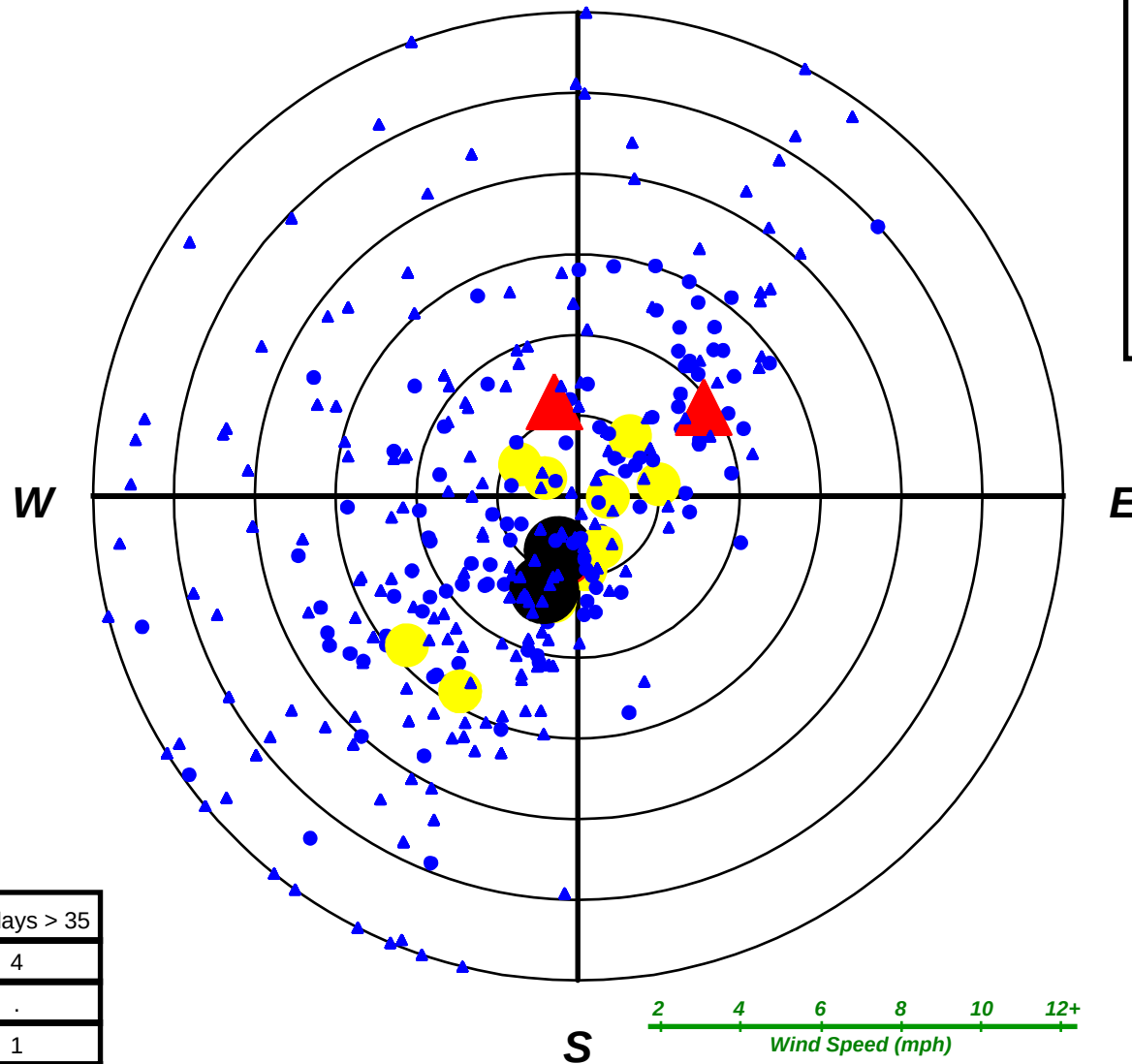
Year	98th %-ile	# days > 35
2005	45.4	7
2006	32.7	1
2007	36.4	4
Design Value	38-NA	

All exceedances plotted

*Meteorological data from 27.2 miles away
DAYTON INTERNATIONAL AIRPORT (ID=93815)*

**Cincinnati-Hamilton, OH-KY-IN [Clermont County, OH]
Pollution Rose, 2005-2007**

Site 390250022



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

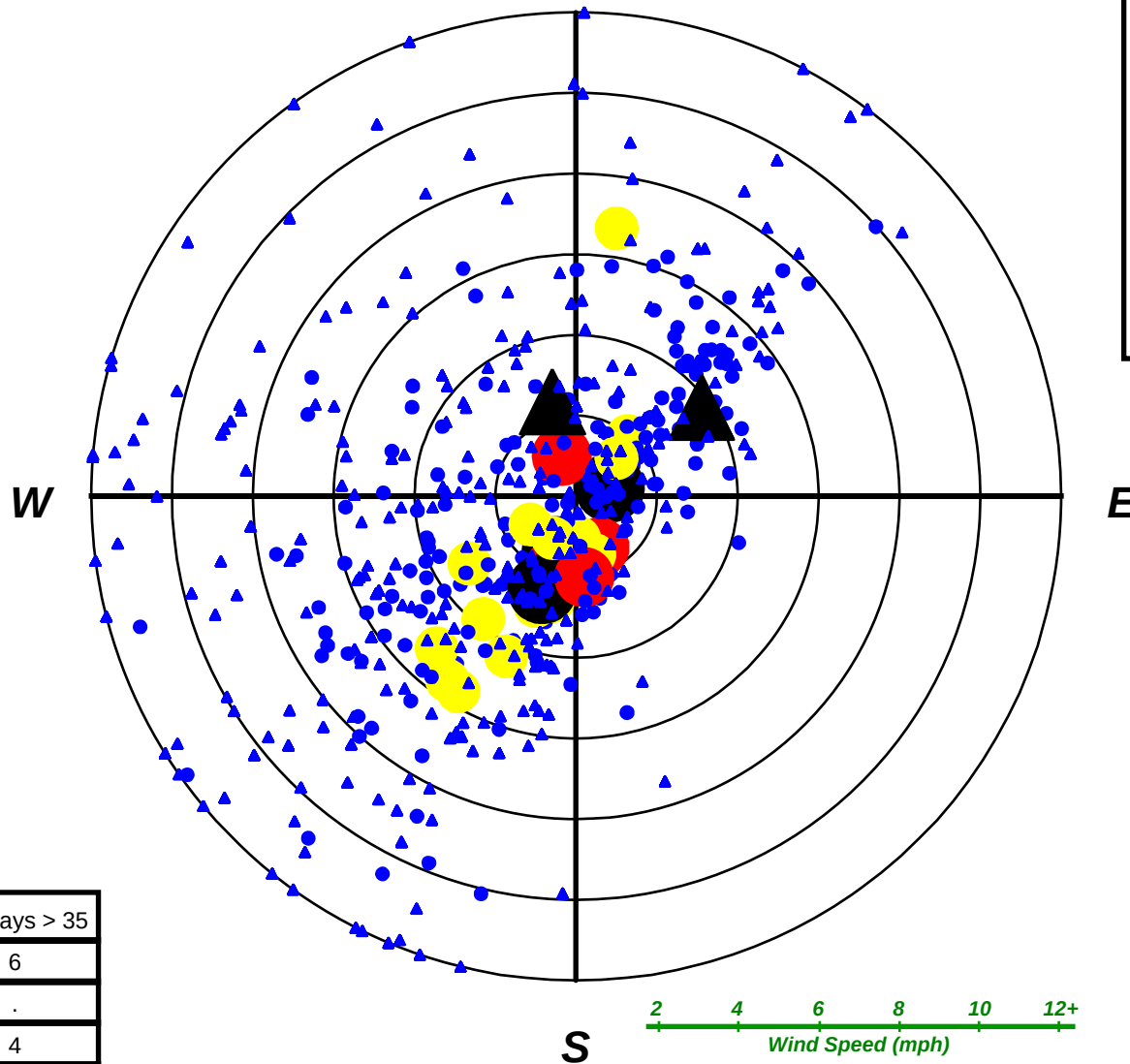
Year	98th %-ile	# days > 35
2005	38.3	4
2006	31.6	.
2007	33.5	1
Design Value	34-A	

All exceedances plotted

*Meteorological data from 14.7 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Hamilton County, OH]
Pollution Rose, 2005-2007**

Site 390610006



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

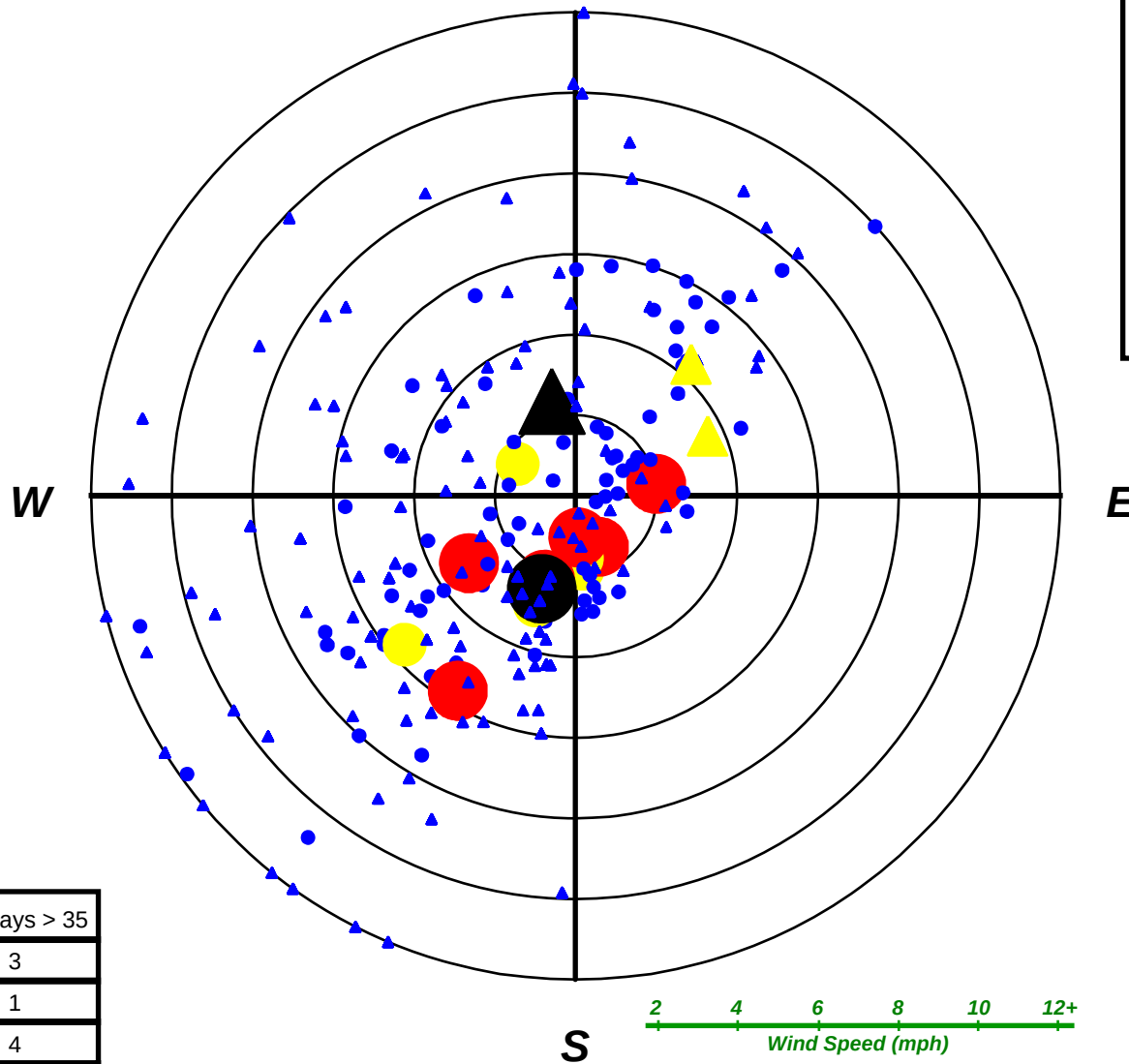
Year	98th %-ile	# days > 35
2005	45.0	6
2006	33.3	.
2007	34.7	4
Design Value	38-NA	

All exceedances plotted

*Meteorological data from 12.6 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Hamilton County, OH]
Pollution Rose, 2005-2007**

Site 390610014



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

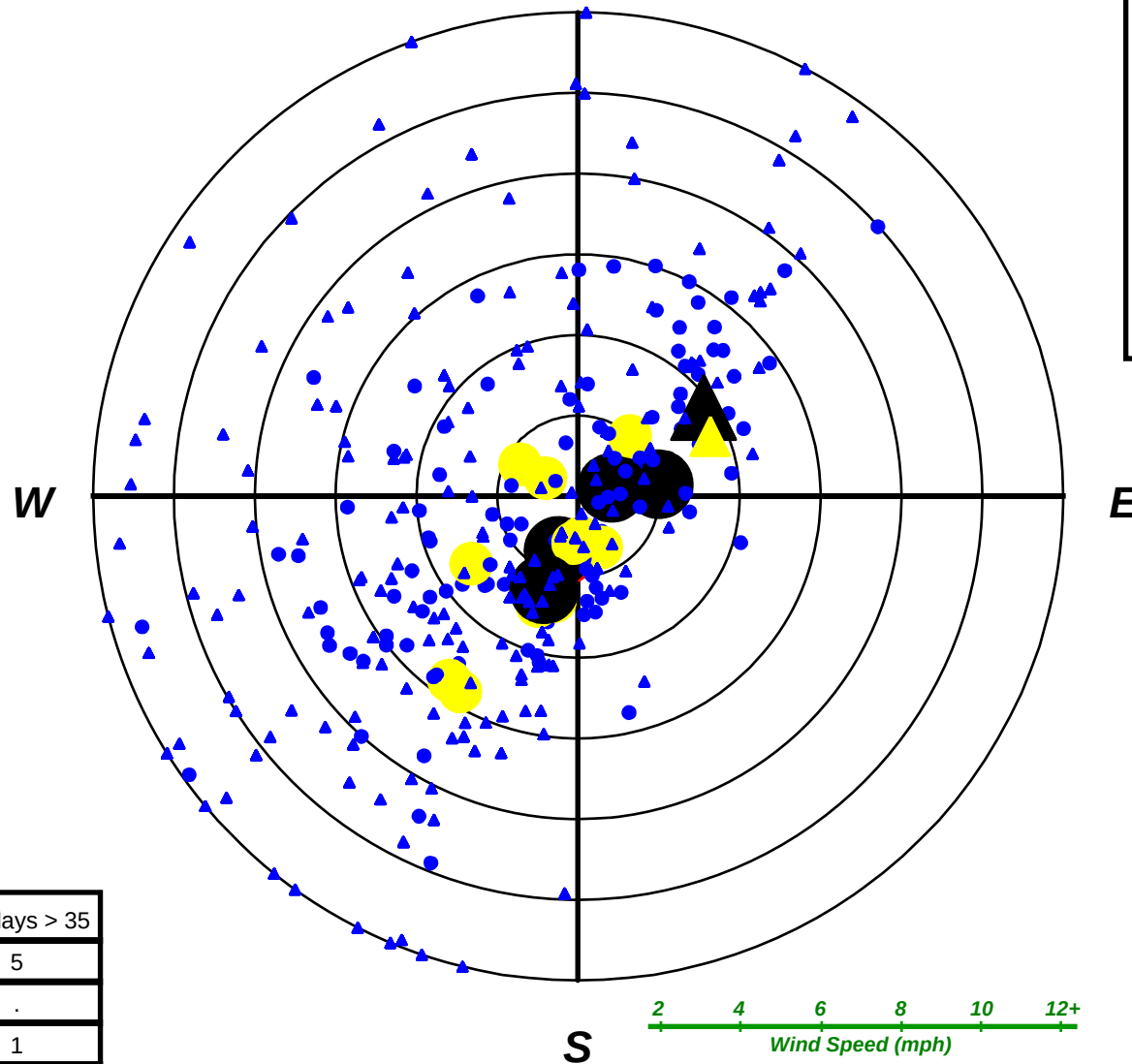
Year	98th %-ile	# days > 35
2005	38.5	3
2006	35.2	1
2007	36.5	4
Design Value	37-NA	

All exceedances plotted

Meteorological data from 7.3 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)

**Cincinnati-Hamilton, OH-KY-IN [Hamilton County, OH]
Pollution Rose, 2005-2007**

Site 390610040



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

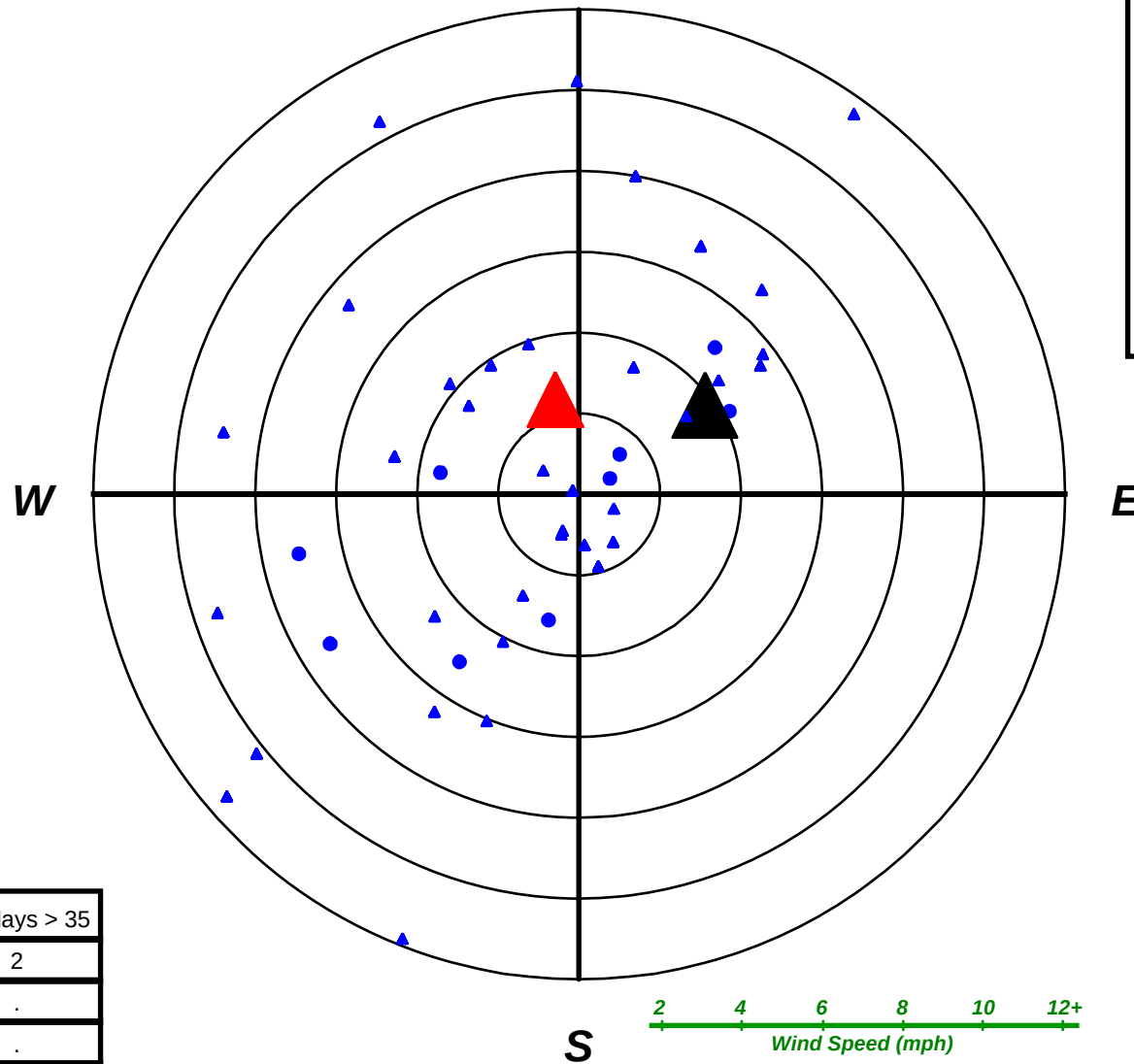
Year	98th %-ile	# days > 35
2005	45.8	5
2006	32.8	.
2007	34.7	1
Design Value	38-NA	

All exceedances plotted

*Meteorological data from 5.1 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Hamilton County, OH]
Pollution Rose, 2005-2007**

Site 390610041



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	37.4	2
2006	.	.
2007	.	.
Design Value	37-inc-na	

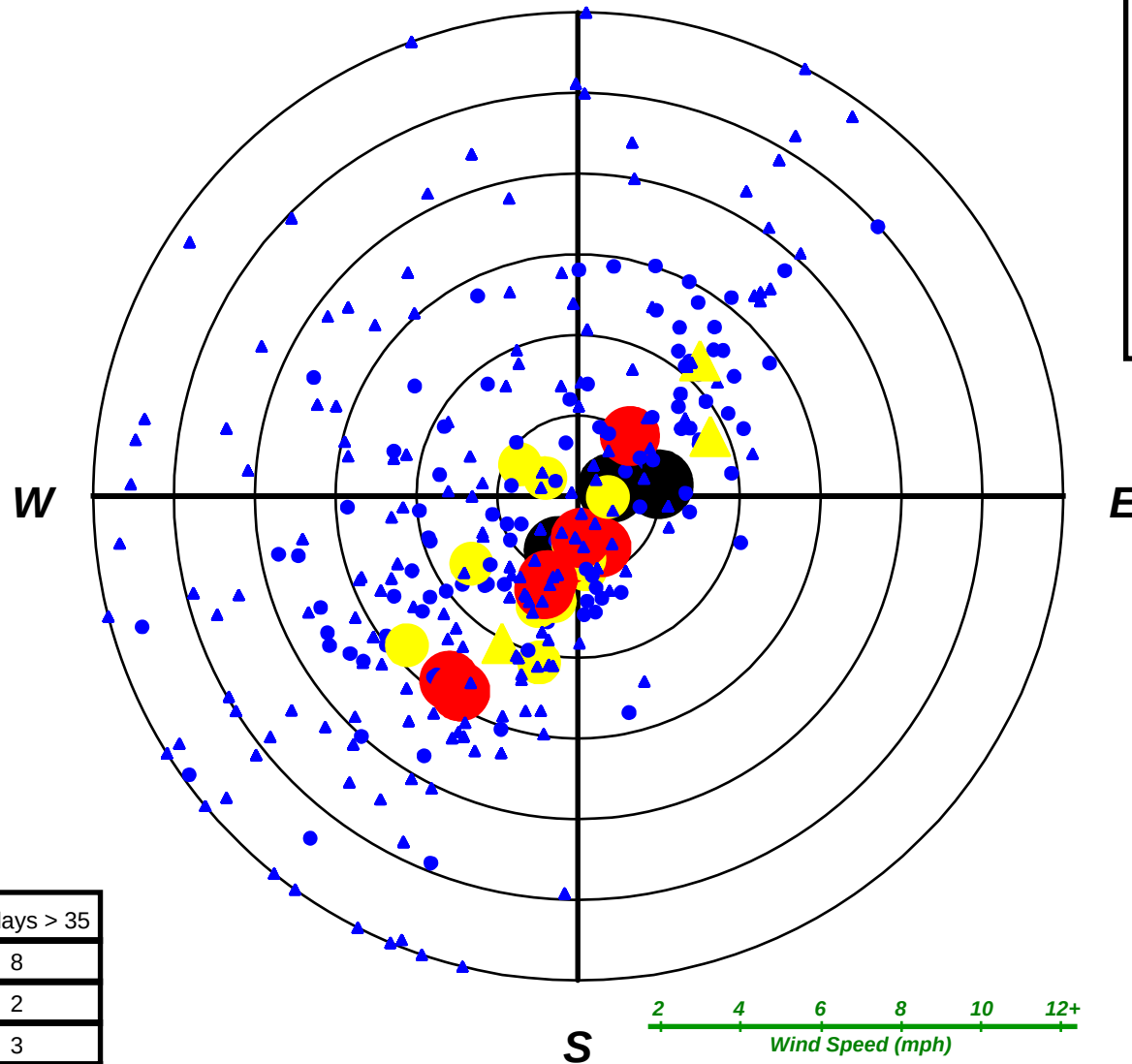
All exceedances plotted



*Meteorological data from 7.9 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Hamilton County, OH]
Pollution Rose, 2005-2007**

Site 390610042



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	44.4	8
2006	34.5	2
2007	35.9	3
Design Value	38-NA	

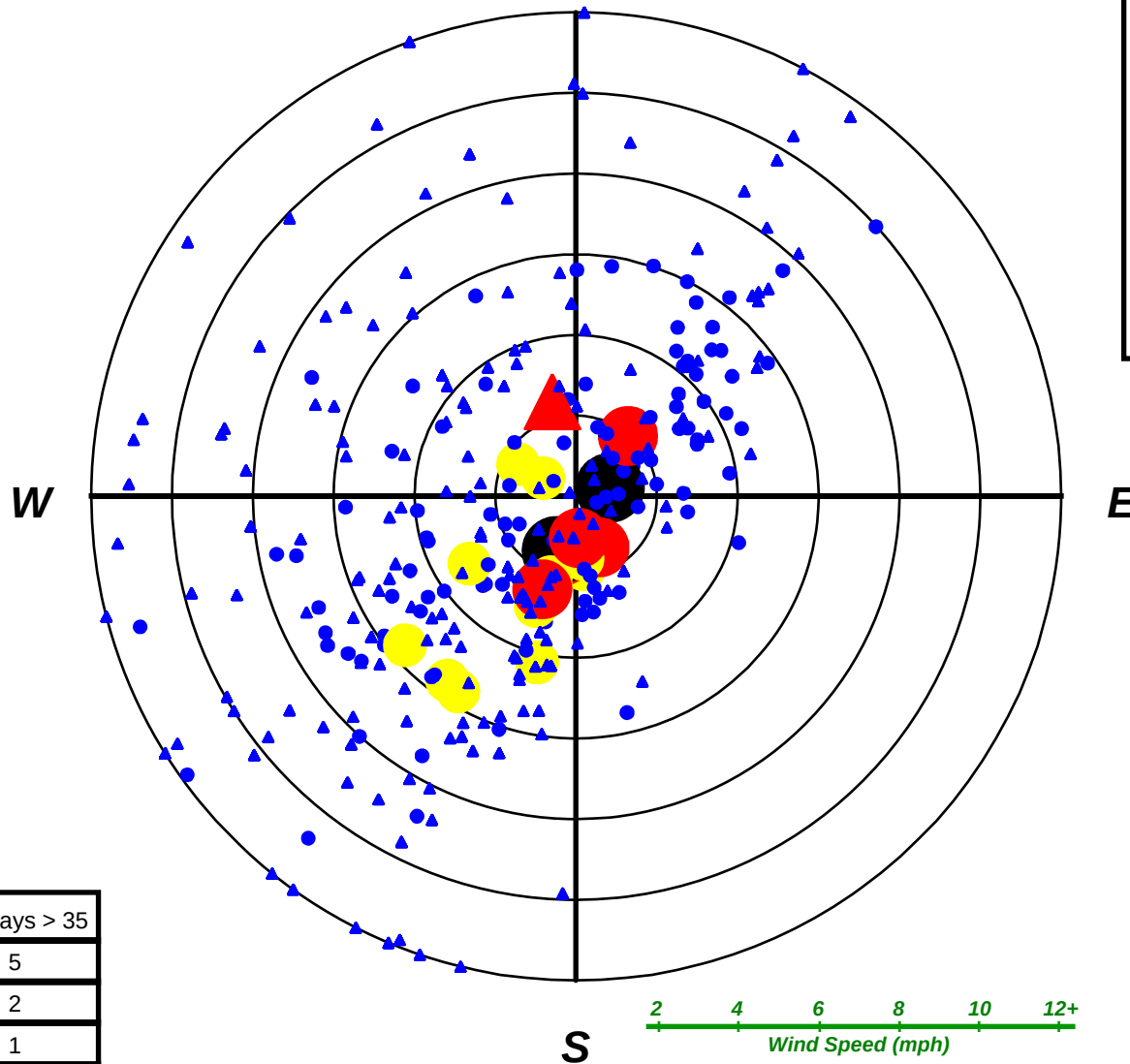
2 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 7.2 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Hamilton County, OH]
Pollution Rose, 2005-2007**

Site 390610043



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	39.9	5
2006	34.9	2
2007	34.0	1
Design Value	36-NA	

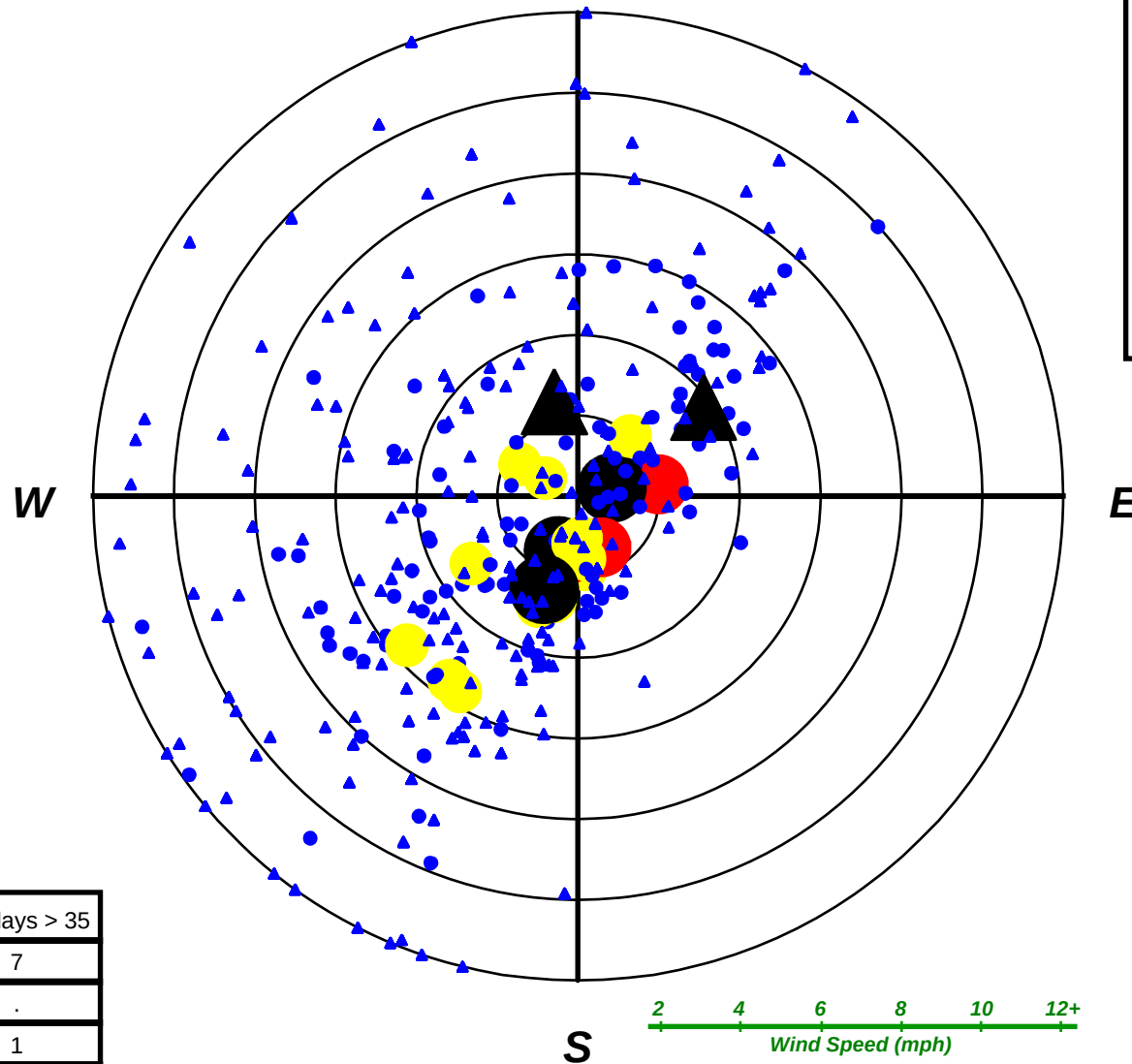
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 13.2 miles away
CINCINNATI MUNICIPAL AP LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Hamilton County, OH]
Pollution Rose, 2005-2007**

Site 390617001



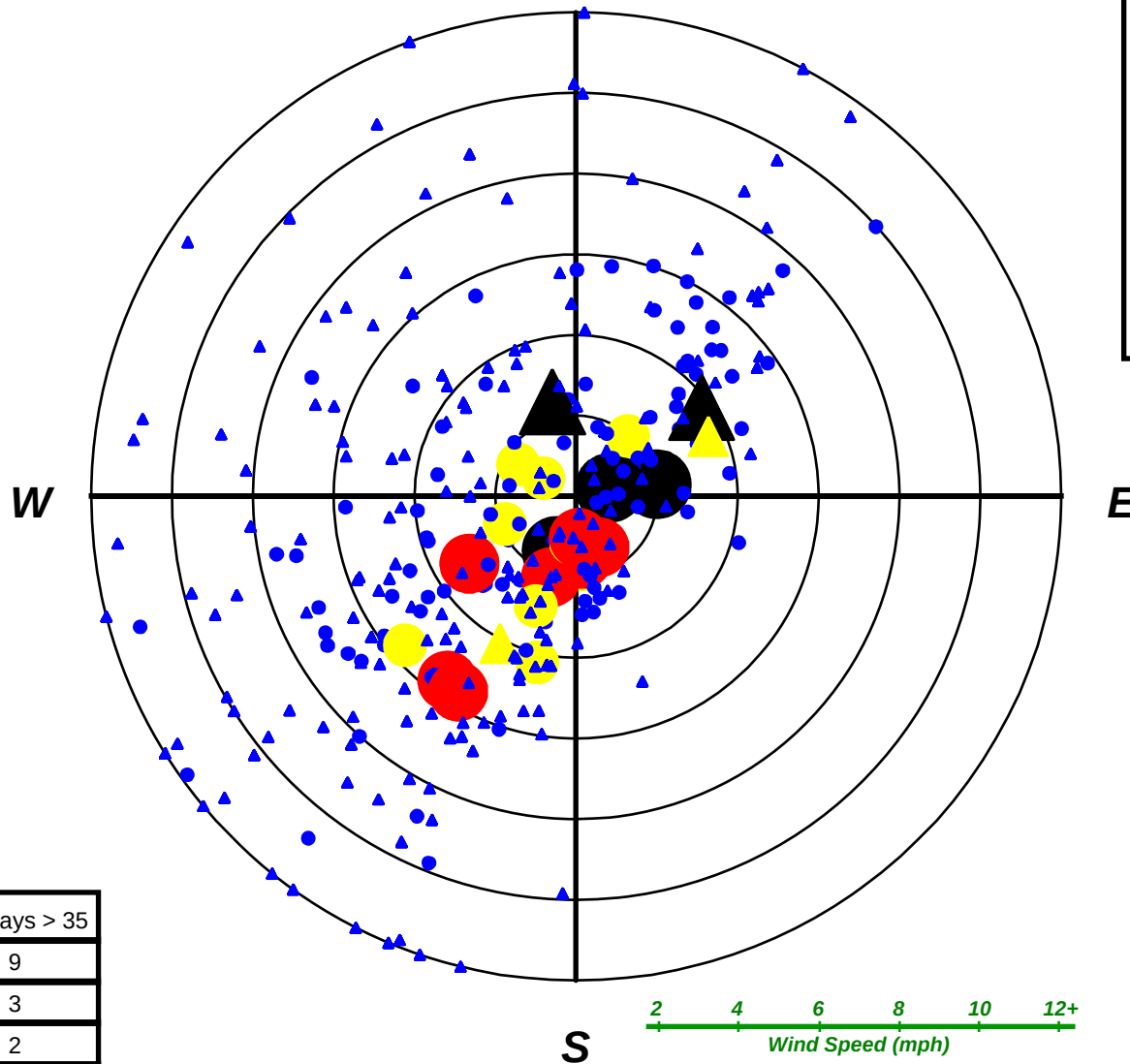
Year	98th %-ile	# days > 35
2005	47.1	7
2006	34.0	.
2007	33.7	1
Design Value	38-NA	

All exceedances plotted

*Meteorological data from 4.7 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Hamilton County, OH]
Pollution Rose, 2005-2007**

Site 390618001



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	51.4	9
2006	36.1	3
2007	35.4	2
Design Value	41-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 6.9 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

**Cincinnati-Hamilton, OH-KY-IN [Warren County, OH]
Pollution Rose, 2005-2007**

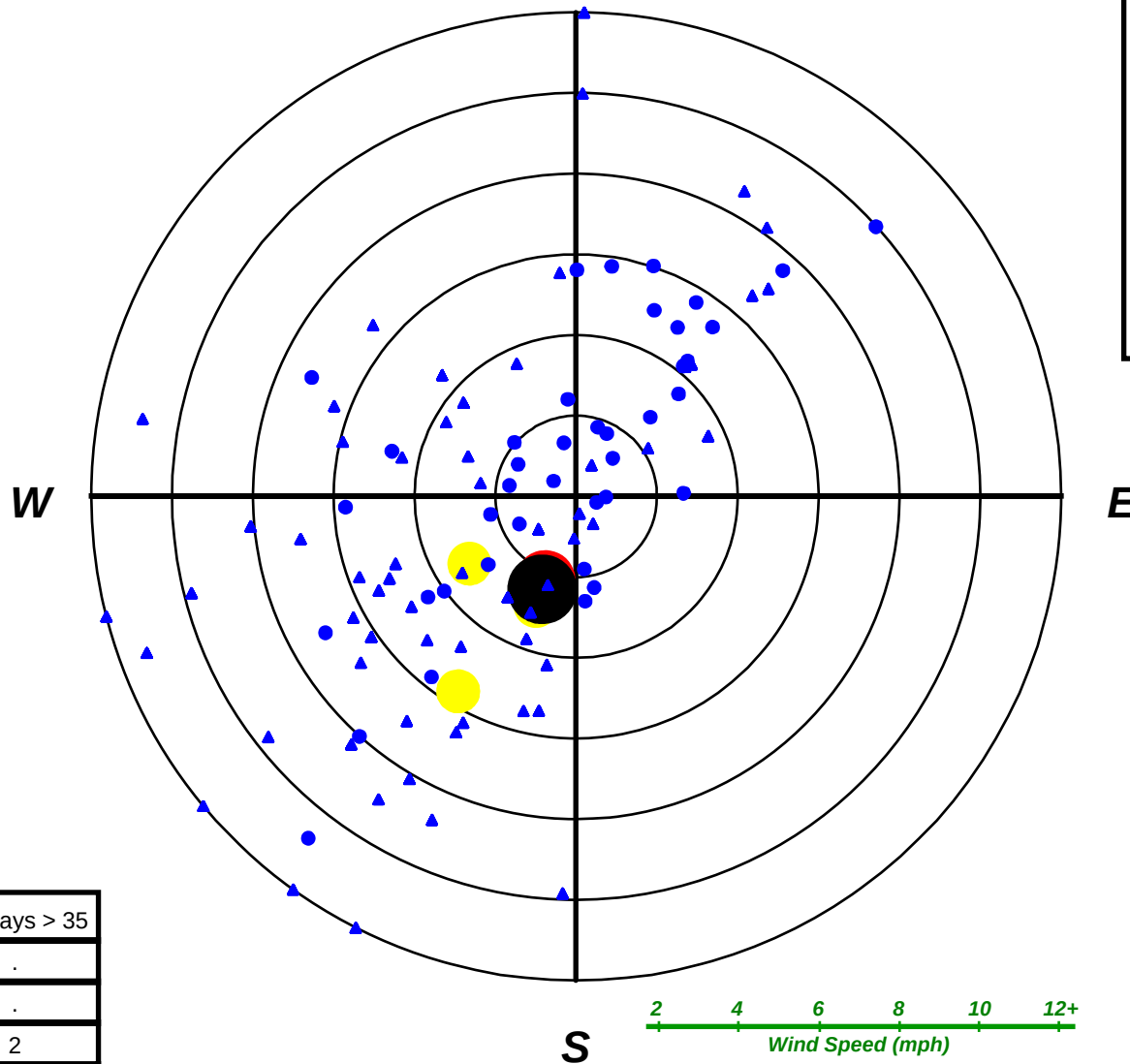
Site 391650007

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	33.6	2
Design Value	34-inc-a	

All exceedances plotted

*Meteorological data from 25.4 miles away
CINCINNATI_MUNICIPAL_AP_LUNKI (ID=93812)*

Clarksville, TN-KY [Christian County, KY]
Pollution Rose, 2005-2007

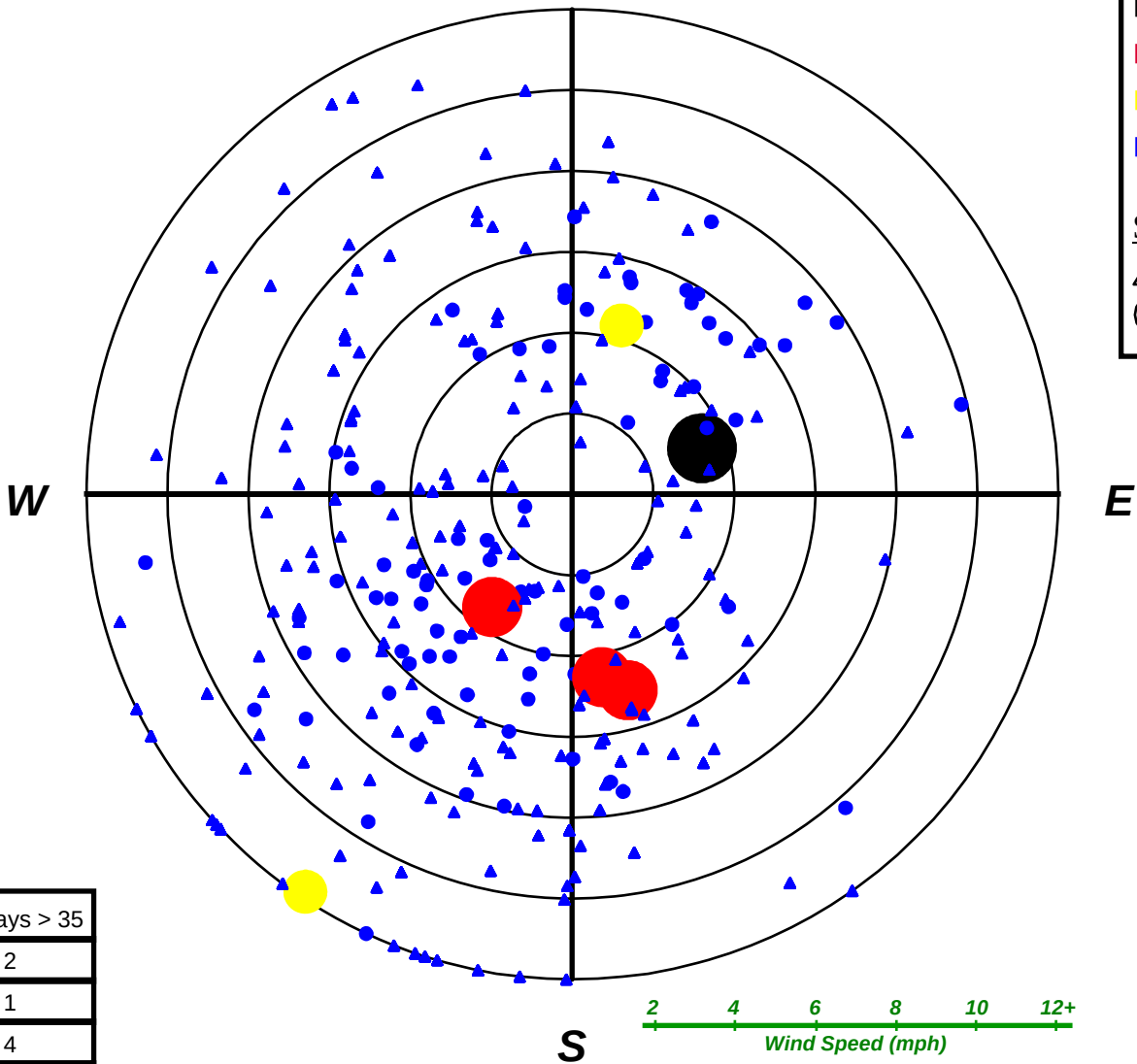
Site 210470006

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	35.0	2
2006	30.3	1
2007	35.5	4
Design Value	34-A	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 19.1 miles away
FORT_CAMPBELL_AAF (ID=13806)

Clarksville, TN-KY [Montgomery County, TN]
Pollution Rose, 2005-2007

Site 471251009

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

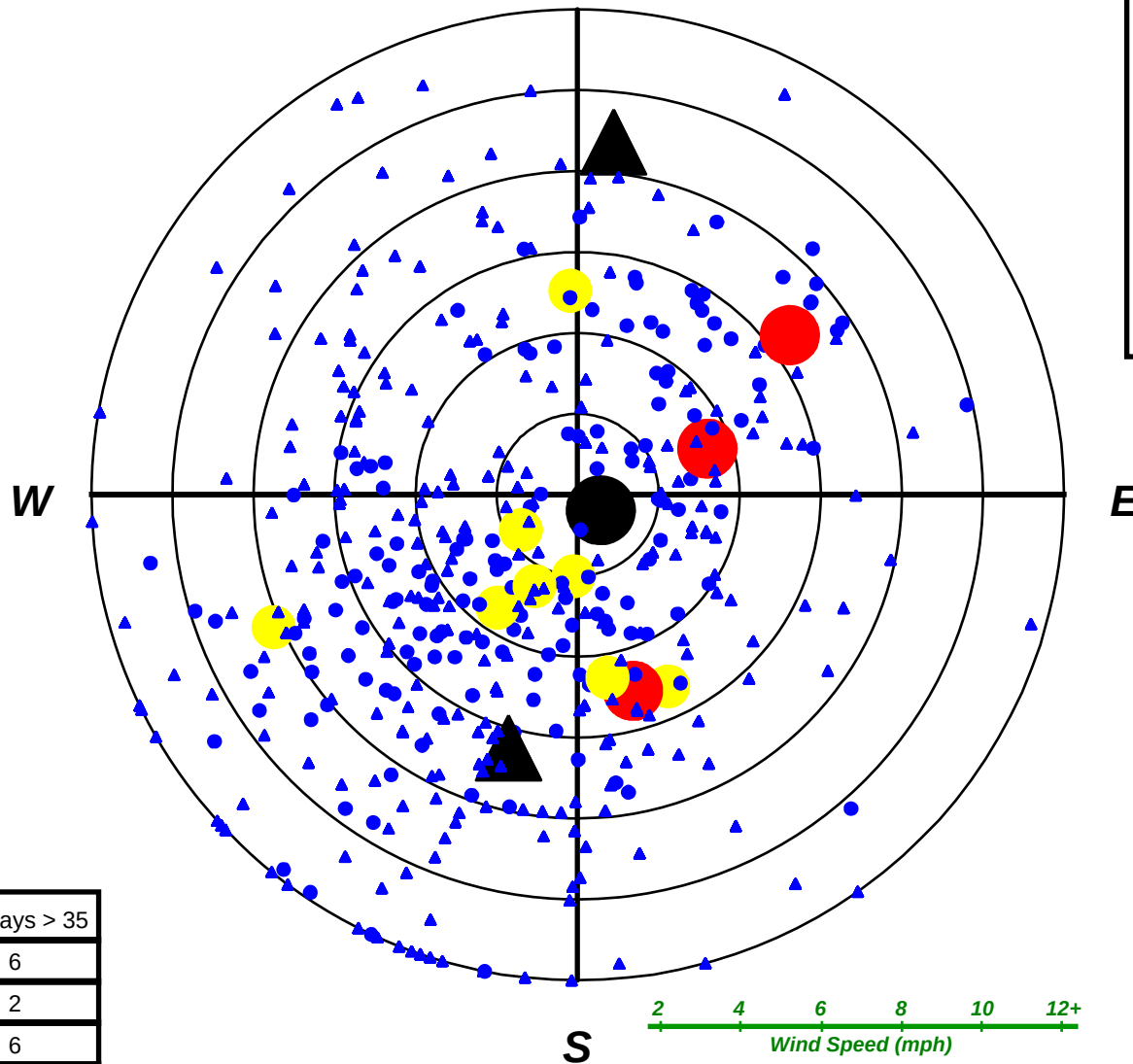
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	43.0	6
2006	34.3	2
2007	35.4	6
Design Value	38-NA	

8 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 13.6 miles away
FORT_CAMPBELL_AAF (ID=13806)

Clarksville, TN-KY [Montgomery County, TN]
Pollution Rose, 2005-2007

Site 471251010

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

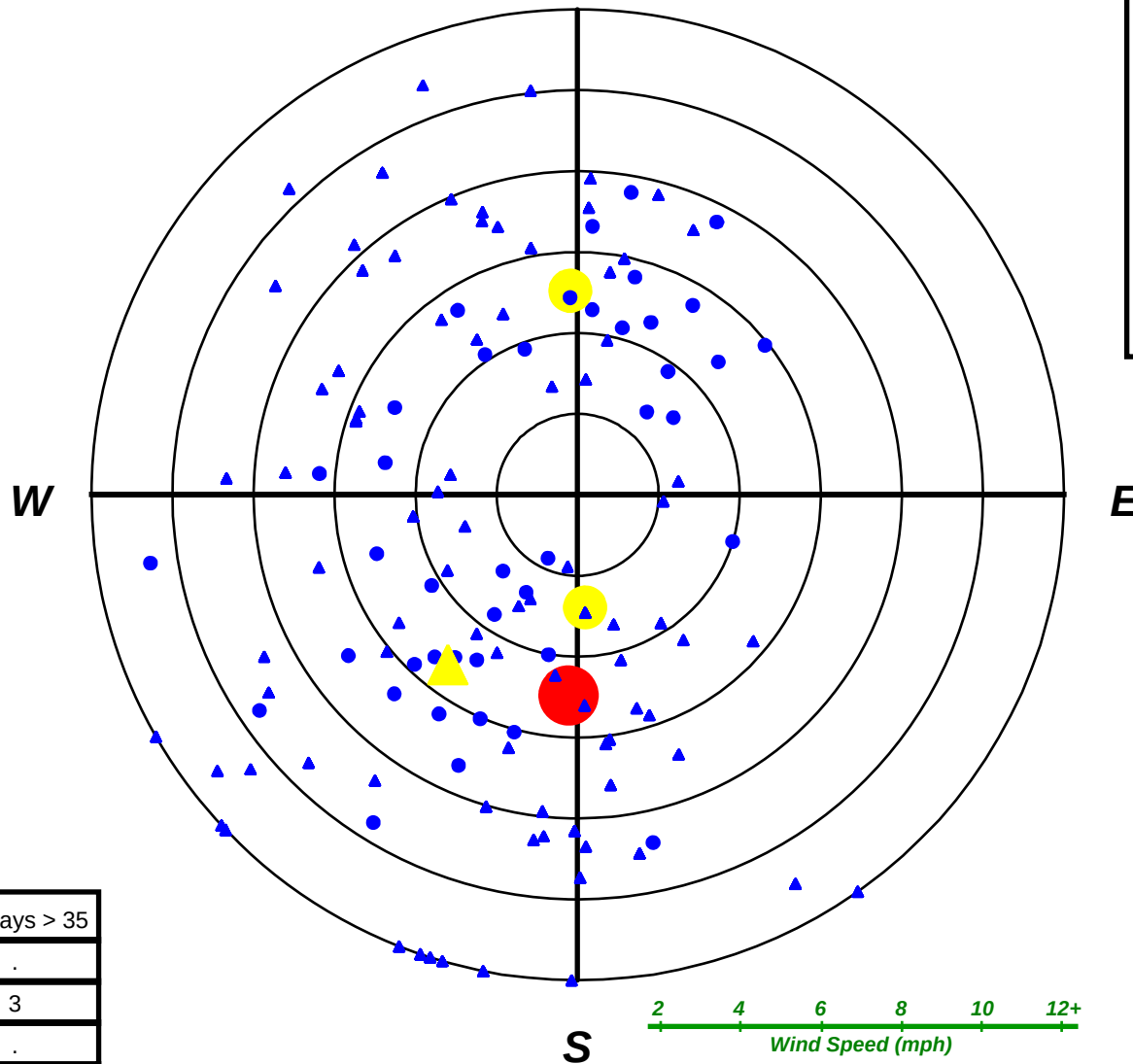
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



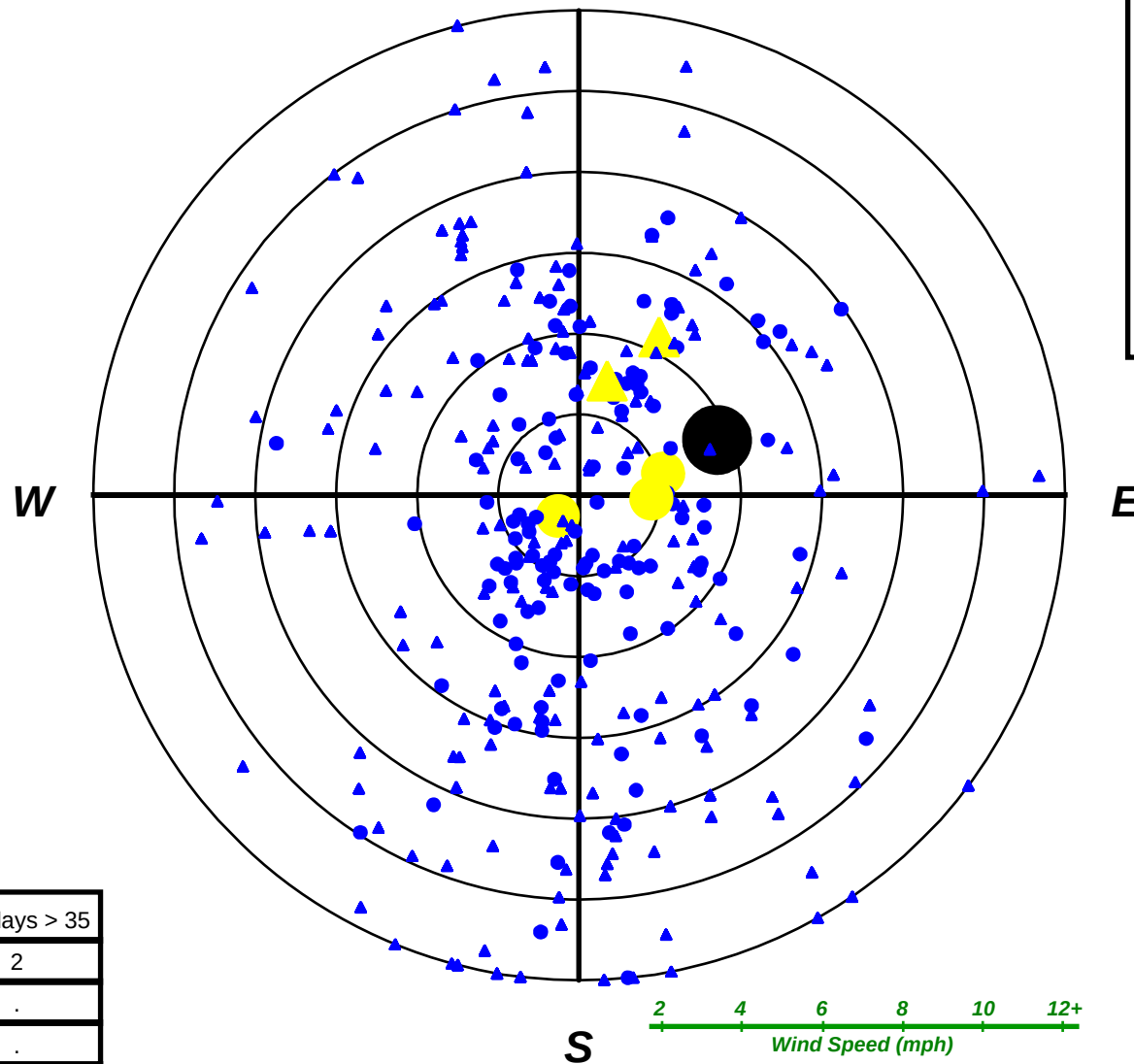
Year	98th %-ile	# days > 35
2005	34.8	.
2006	36.0	3
2007	.	.
Design Value	35-inc-a	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 17.6 miles away
FORT_CAMPBELL_AAF (ID=13806)

**Cleveland-Akron-Lorain, OH [Bolivar County, MS]
Pollution Rose, 2005-2007**

Site 280110001



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	32.8	2
2006	25.1	.
2007	28.1	.
Design Value	29-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 40.6 miles away
GREENWOOD_LEFLORE_ARPT (ID=13978)

**Cleveland-Akron-Lorain, OH [Cuyahoga County, OH]
Pollution Rose, 2005-2007**

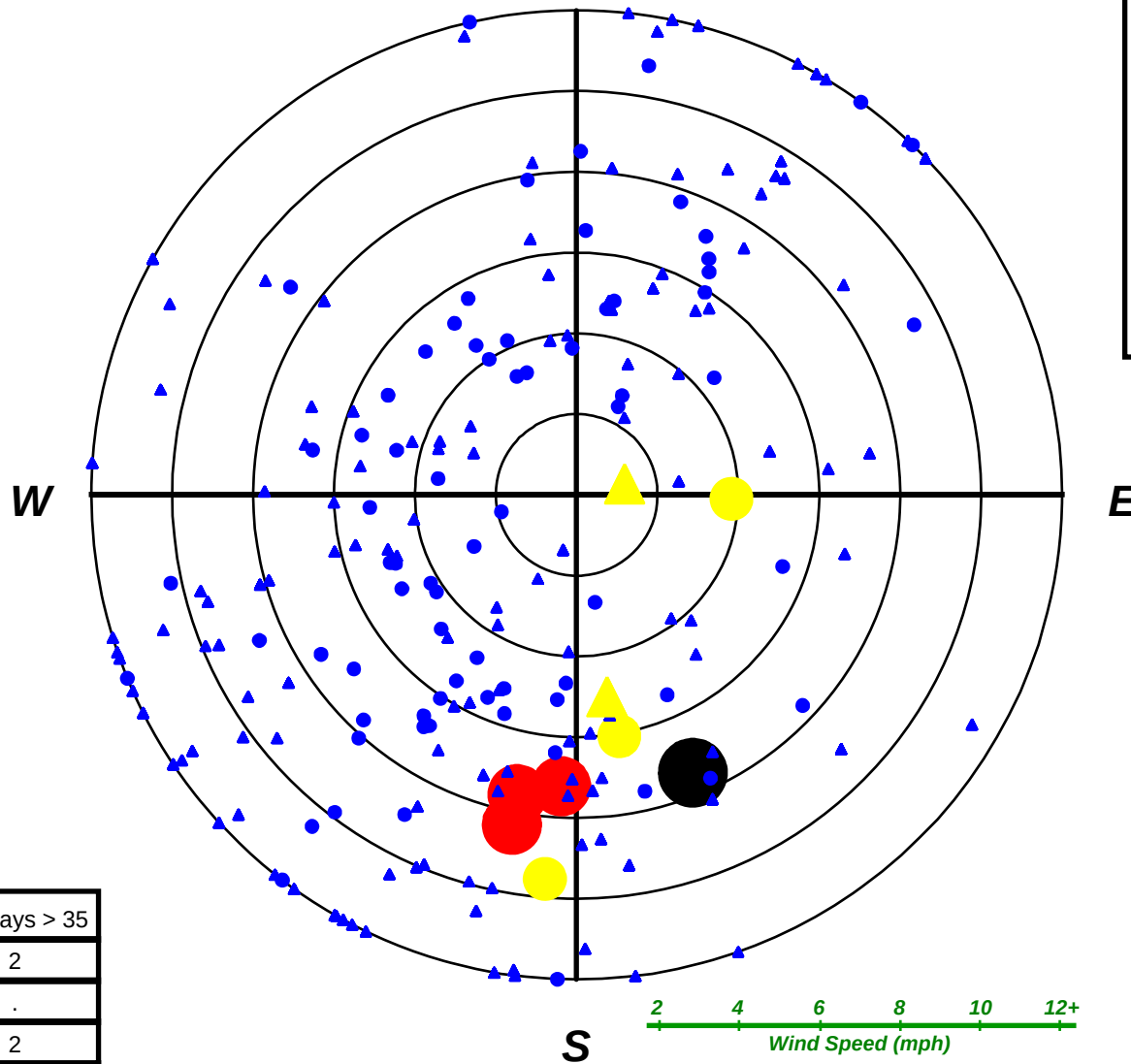
Site 390350027

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	35.7	2
2006	31.5	.
2007	39.0	2
Design Value	35-A	

All exceedances plotted

*Meteorological data from 9.3 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

**Cleveland-Akron-Lorain, OH [Cuyahoga County, OH]
Pollution Rose, 2005-2007**

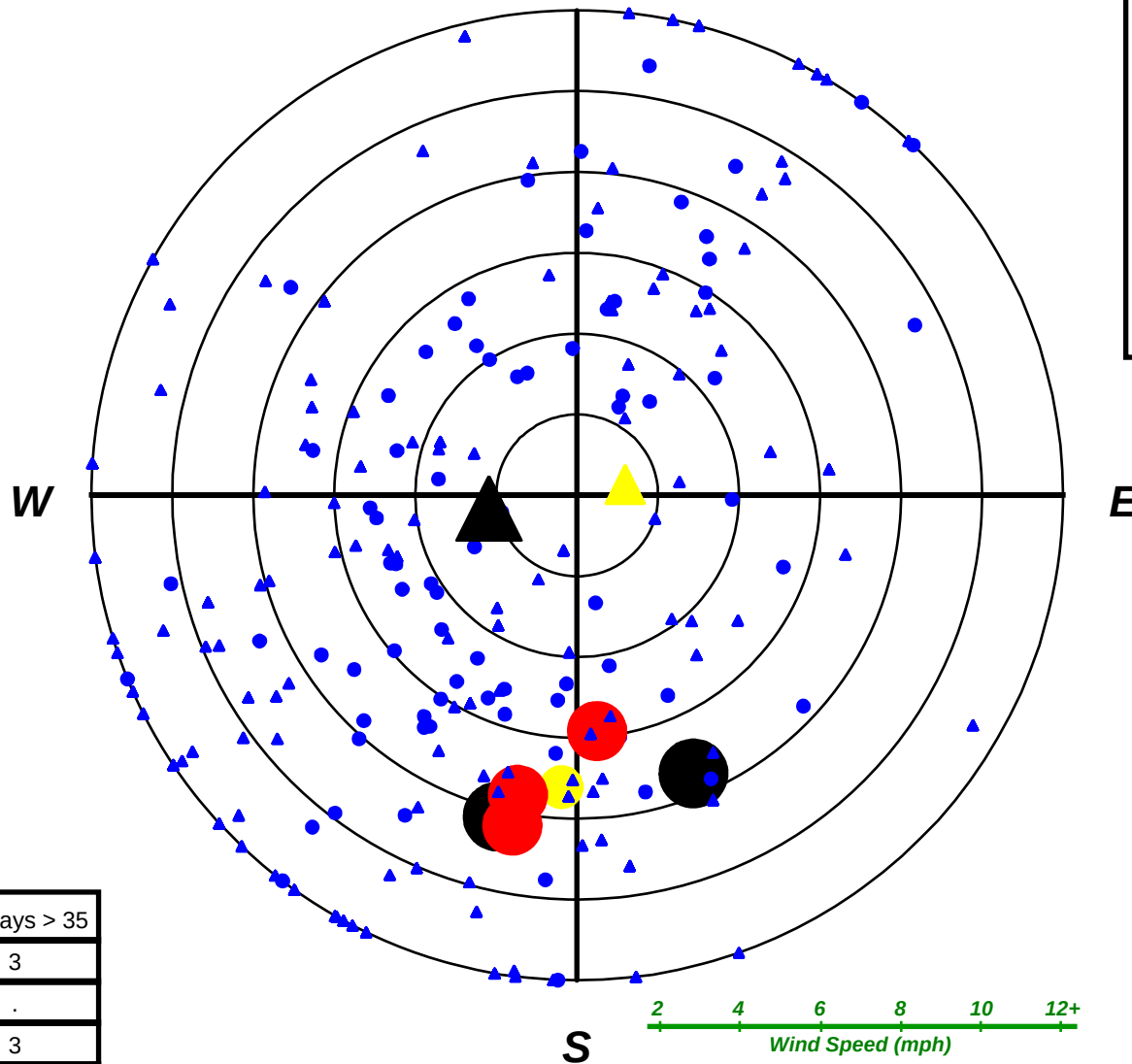
Site 390350034

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	43.8	3
2006	29.1	.
2007	36.7	3
Design Value	37-NA	

All exceedances plotted

*Meteorological data from 17.8 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

**Cleveland-Akron-Lorain, OH [Cuyahoga County, OH]
Pollution Rose, 2005-2007**

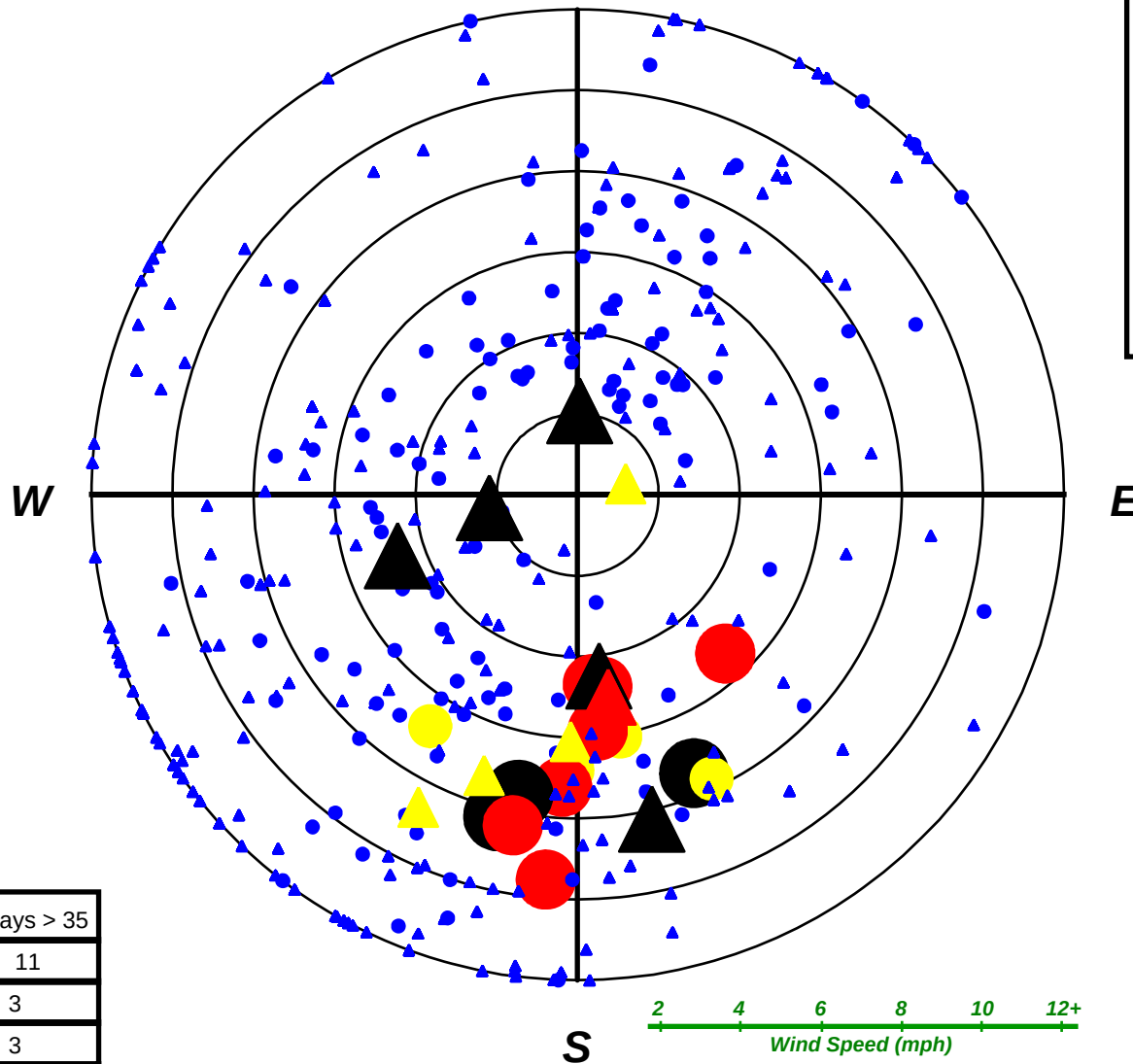
Site 390350038

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	51.2	11
2006	36.1	3
2007	39.7	3
Design Value	42-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 10.2 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

**Cleveland-Akron-Lorain, OH [Cuyahoga County, OH]
Pollution Rose, 2005-2007**

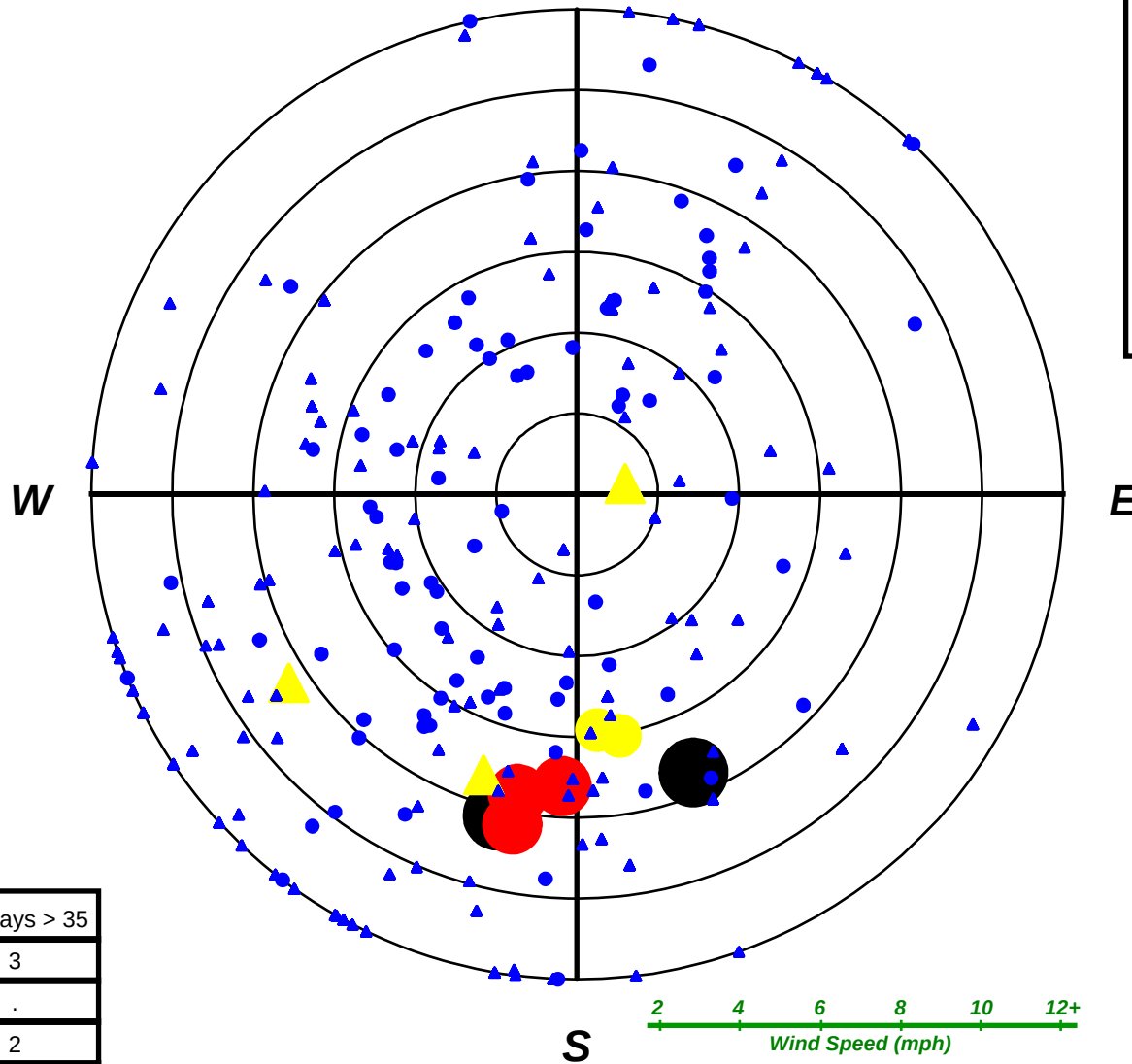
Site 390350045

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	46.2	3
2006	29.5	.
2007	35.2	2
Design Value	37-NA	

All exceedances plotted

*Meteorological data from 11.1 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

**Cleveland-Akron-Lorain, OH [Cuyahoga County, OH]
Pollution Rose, 2005-2007**

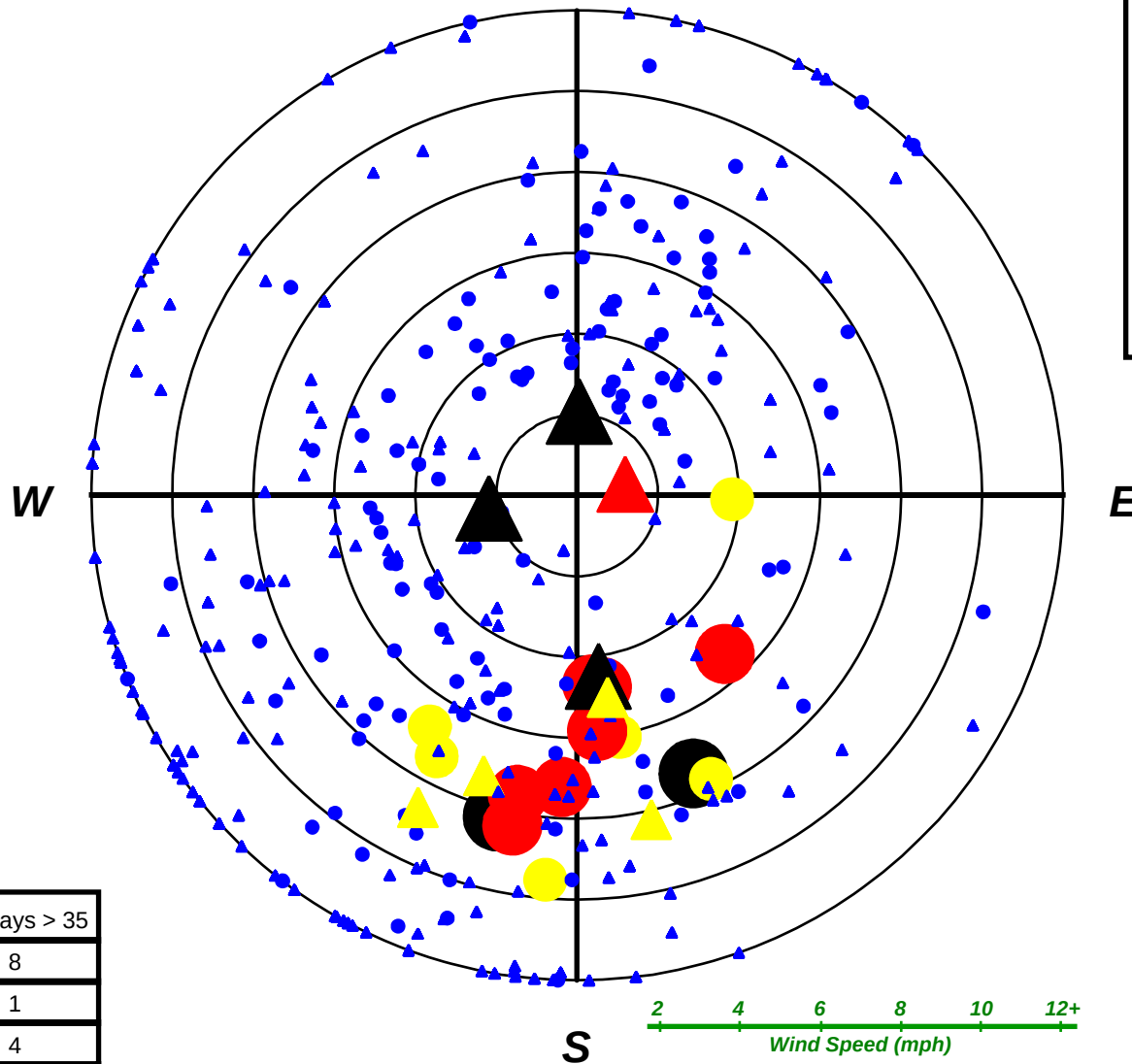
Site 390350060

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	49.5	8
2006	31.0	1
2007	38.7	4
Design Value	40-NA	

All exceedances plotted

*Meteorological data from 11.0 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

**Cleveland-Akron-Lorain, OH [Cuyahoga County, OH]
Pollution Rose, 2005-2007**

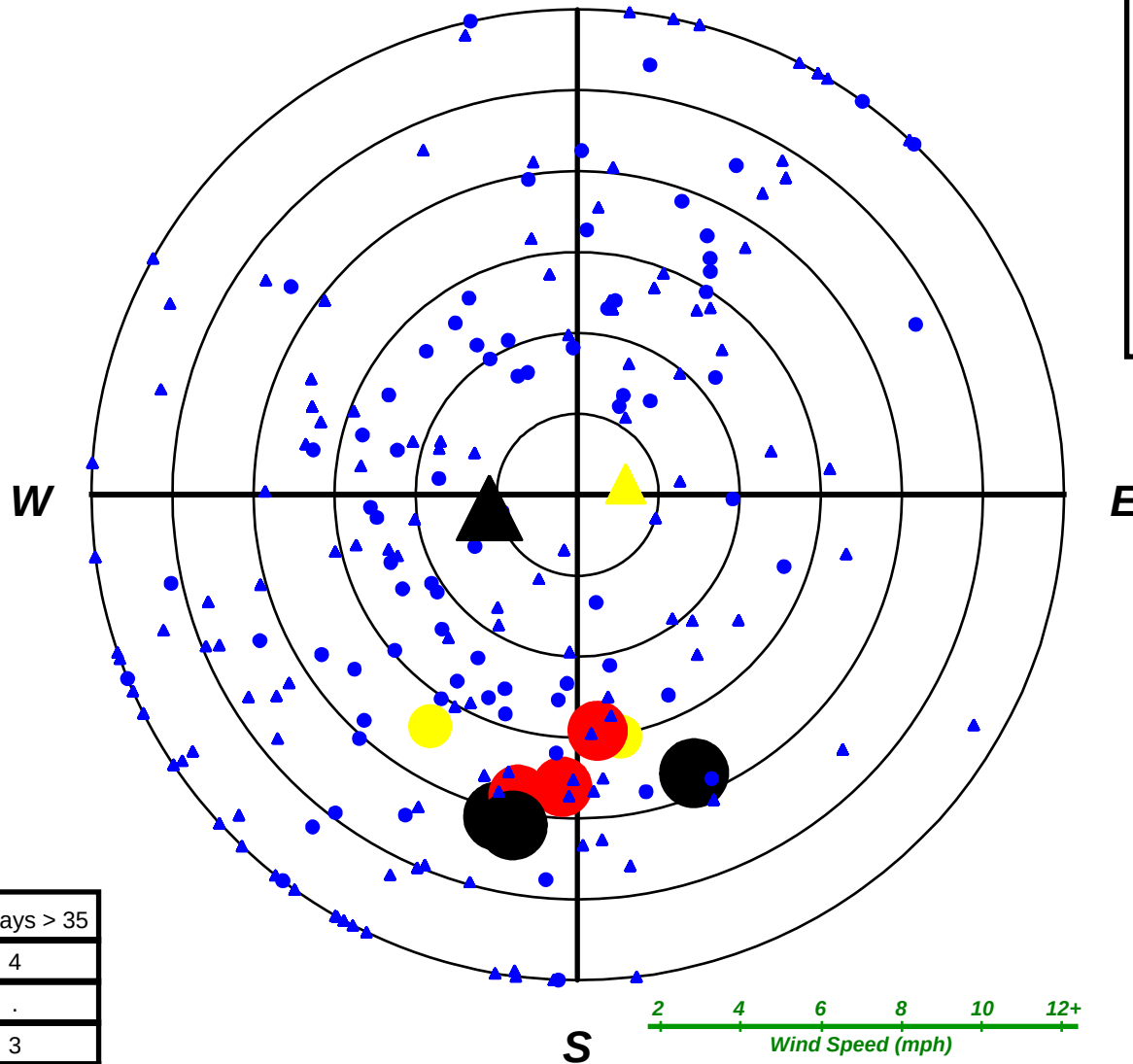
Site 390350065

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	47.9	4
2006	27.8	.
2007	37.5	3
Design Value	38-NA	

All exceedances plotted

*Meteorological data from 10.3 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

**Cleveland-Akron-Lorain, OH [Cuyahoga County, OH]
Pollution Rose, 2005-2007**

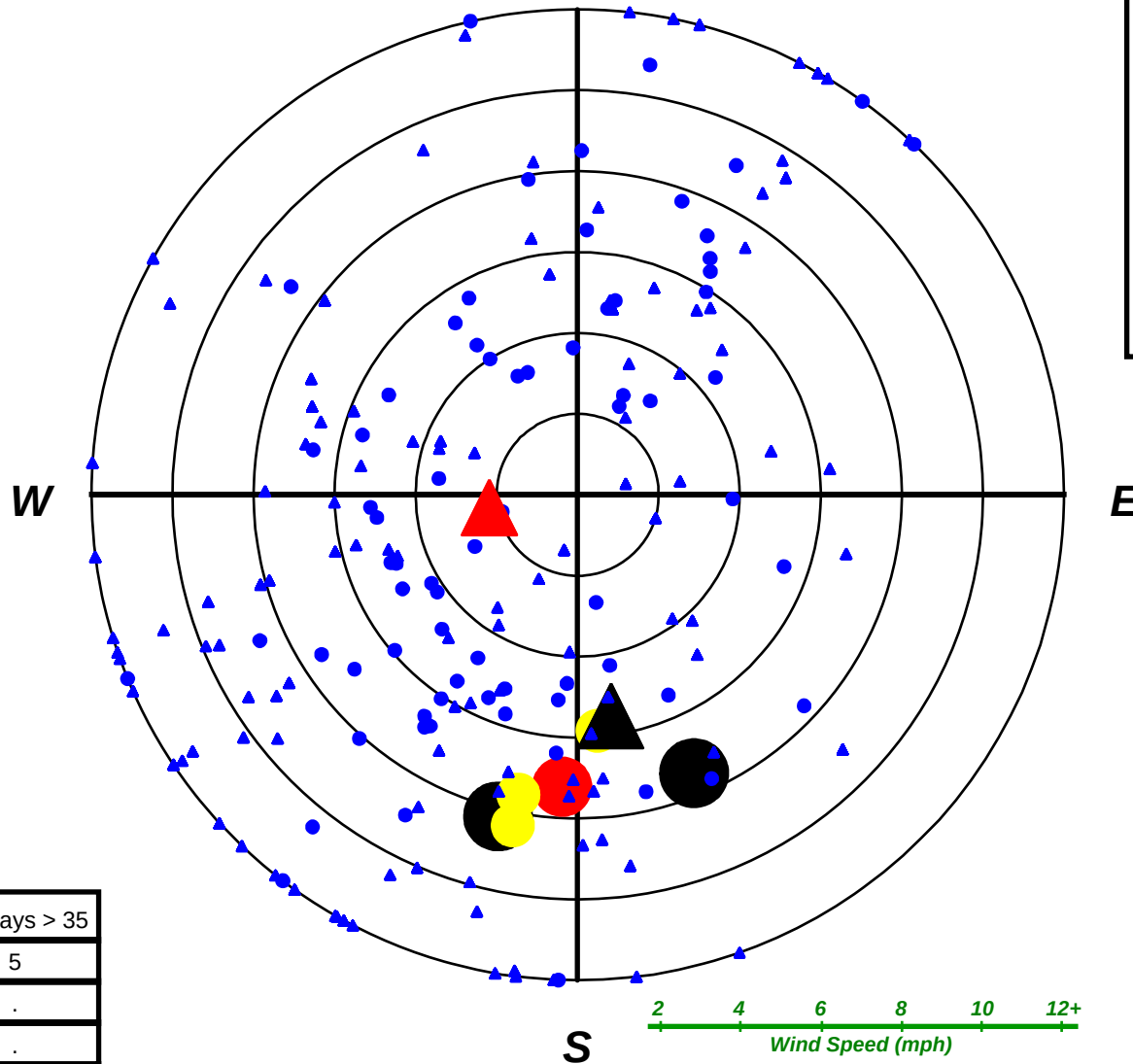
Site 390351002

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	41.6	5
2006	27.7	.
2007	35.2	.
Design Value	35-A	

All exceedances plotted

*Meteorological data from 1.7 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

Cleveland-Akron-Lorain, OH [Lake County, OH]
Pollution Rose, 2005-2007

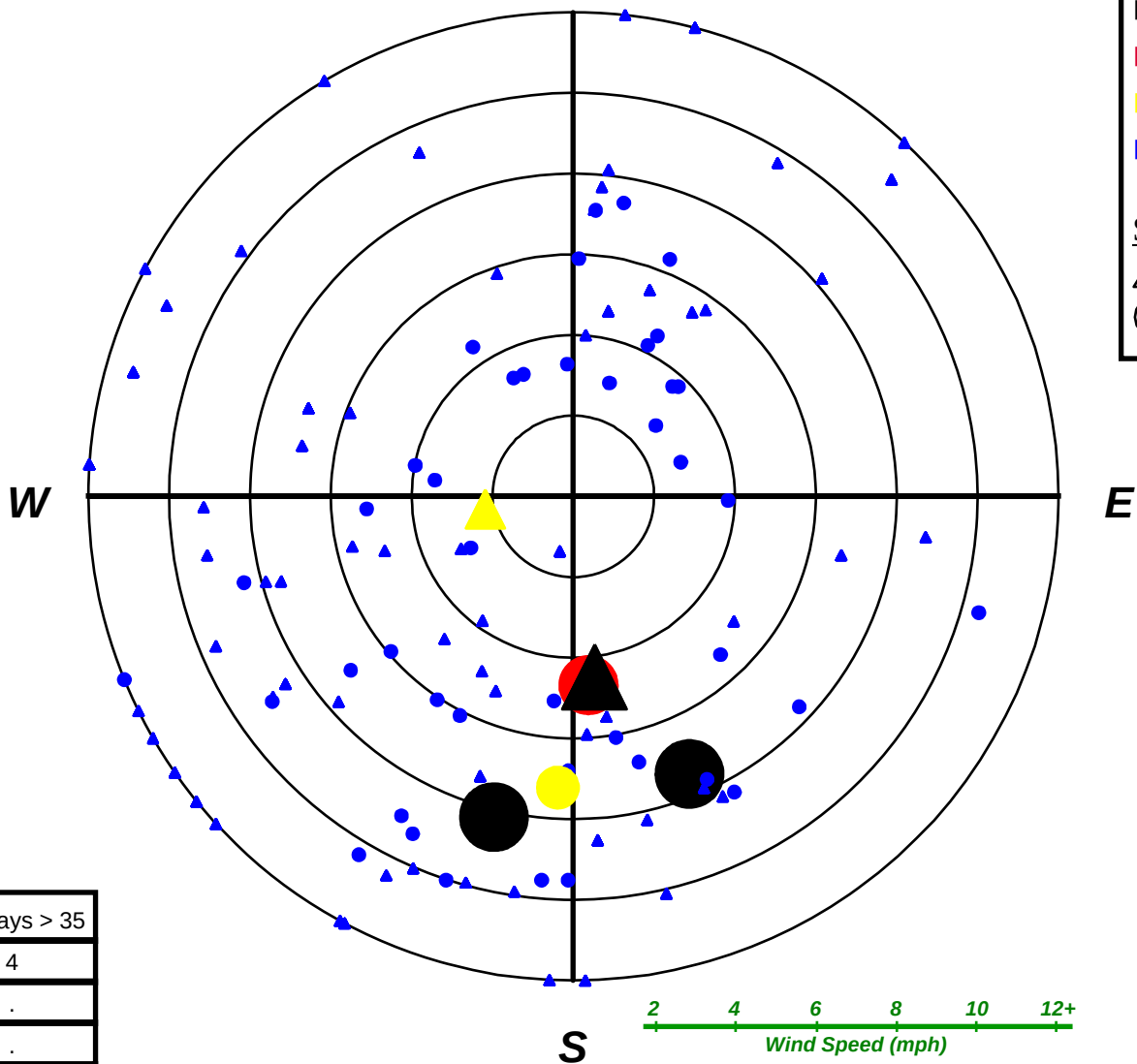
Site 390851001

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	43.5	4
2006	17.9	.
2007	.	.
Design Value	31-inc-a	

All exceedances plotted

Meteorological data from 38.6 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)

**Cleveland-Akron-Lorain, OH [Lake County, OH]
Pollution Rose, 2005-2007**

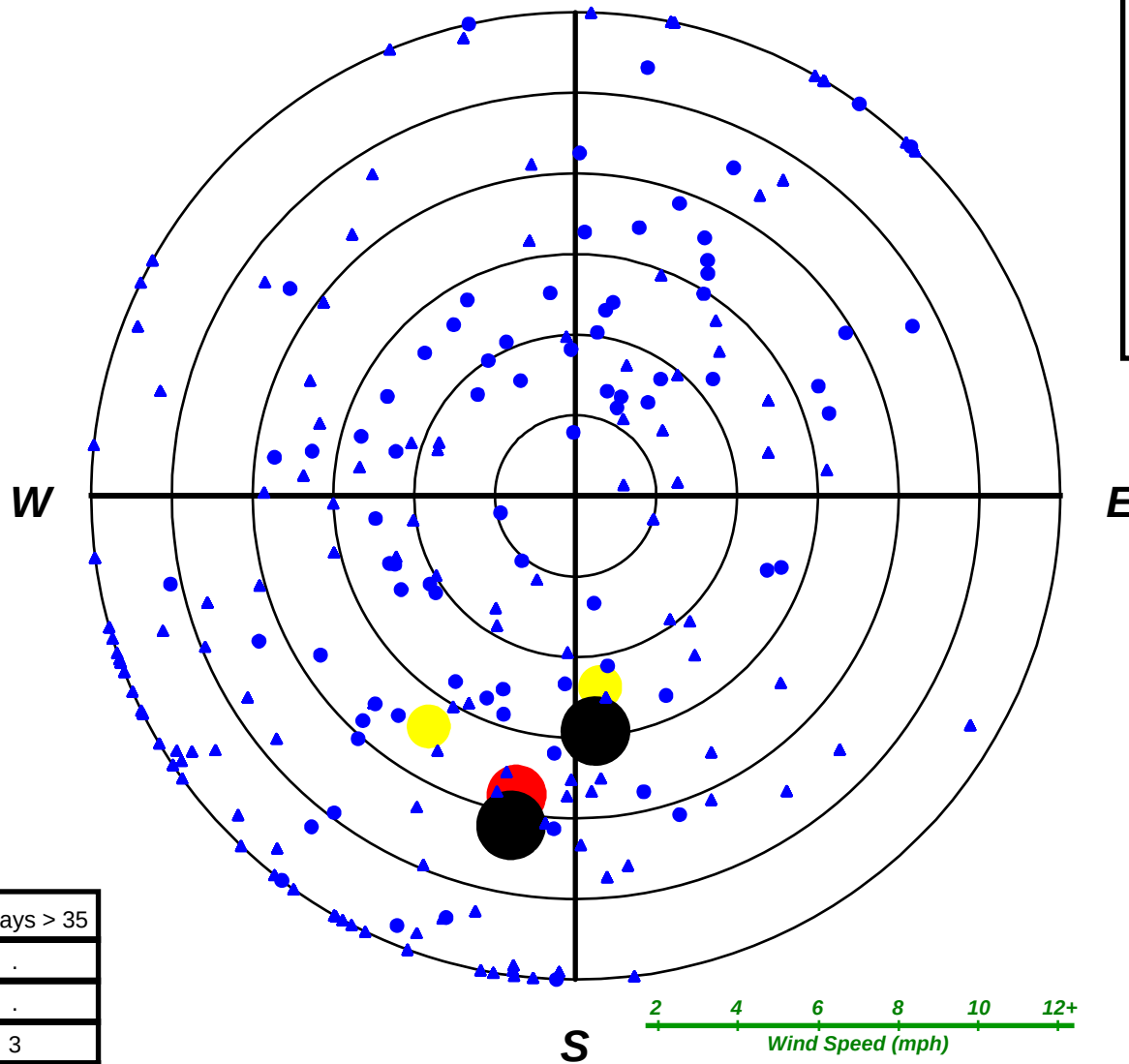
Site 390853002

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	.	.
2006	28.1	.
2007	39.2	3
Design Value	34-inc-a	

All exceedances plotted

*Meteorological data from 38.5 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

**Cleveland-Akron-Lorain, OH [Lorain County, OH]
Pollution Rose, 2005-2007**

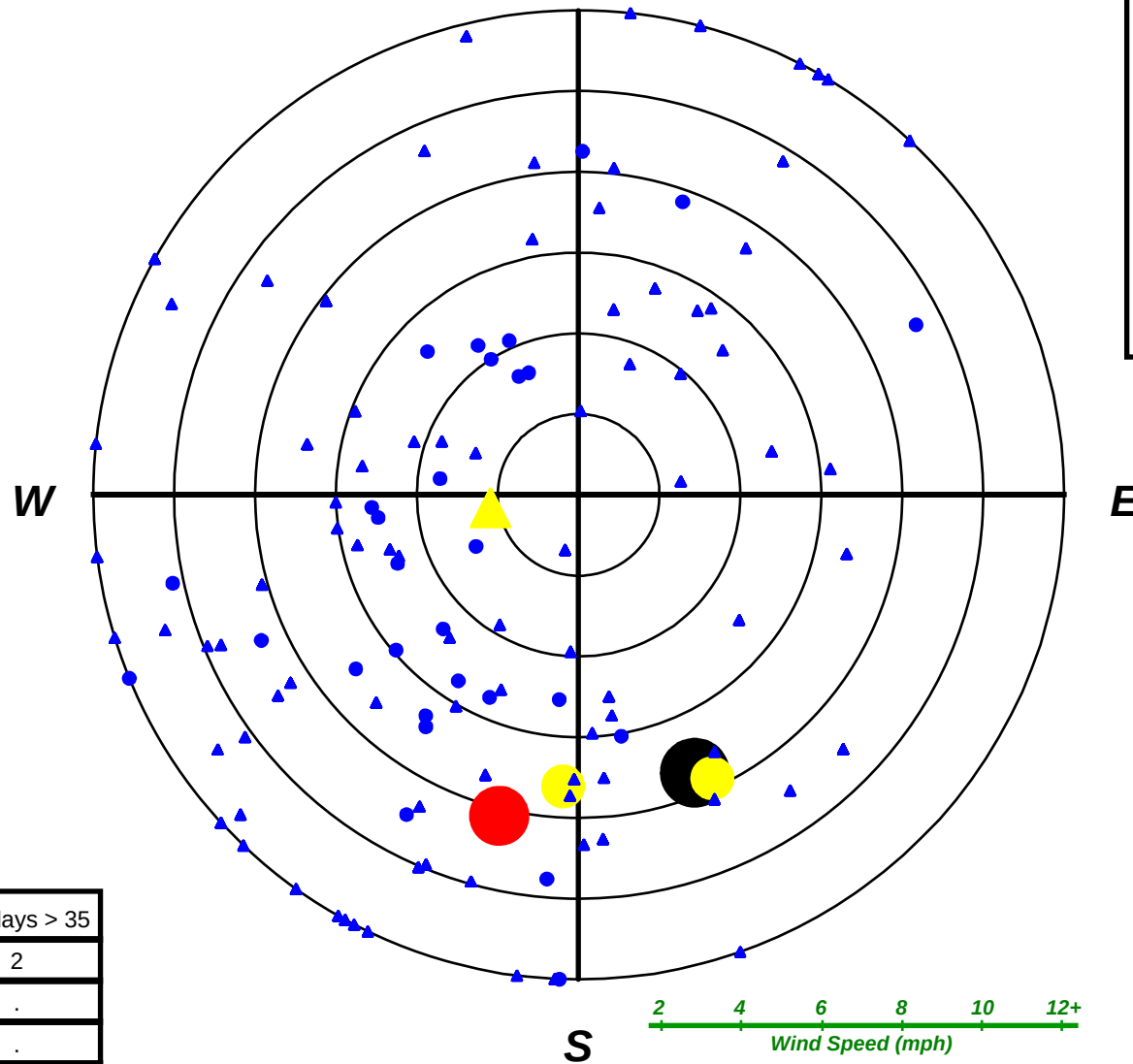
Site 390930016

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	39.7	2
2006	24.9	.
2007	21.2	.
Design Value	29-inc-a	

All exceedances plotted

*Meteorological data from 16.4 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

**Cleveland-Akron-Lorain, OH [Lorain County, OH]
Pollution Rose, 2005-2007**

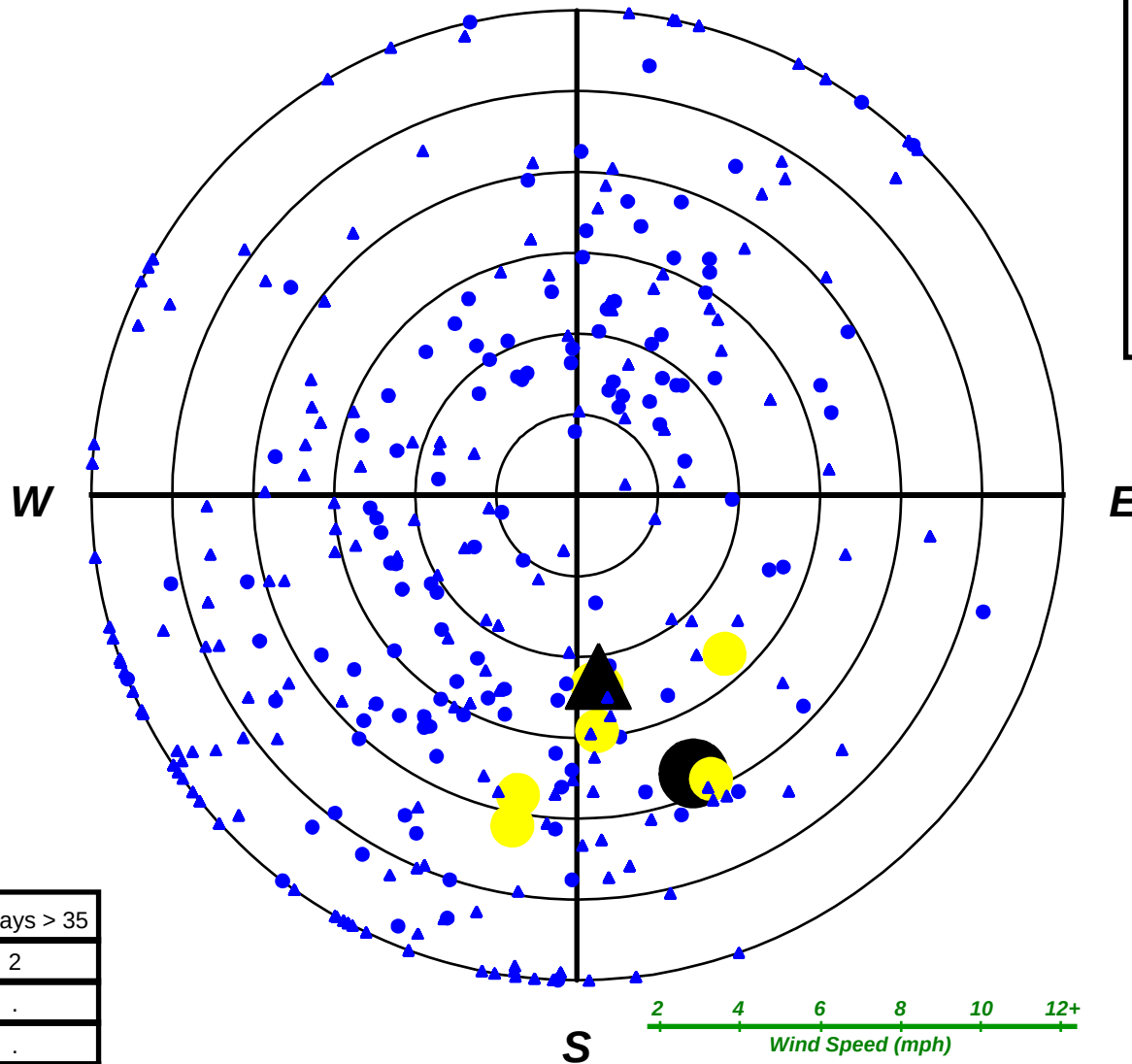
Site 390933002

Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	33.9	2
2006	27.4	.
2007	34.0	.
Design Value	32-A	

All exceedances plotted

*Meteorological data from 14.4 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

**Cleveland-Akron-Lorain, OH [Medina County, OH]
Pollution Rose, 2005-2007**

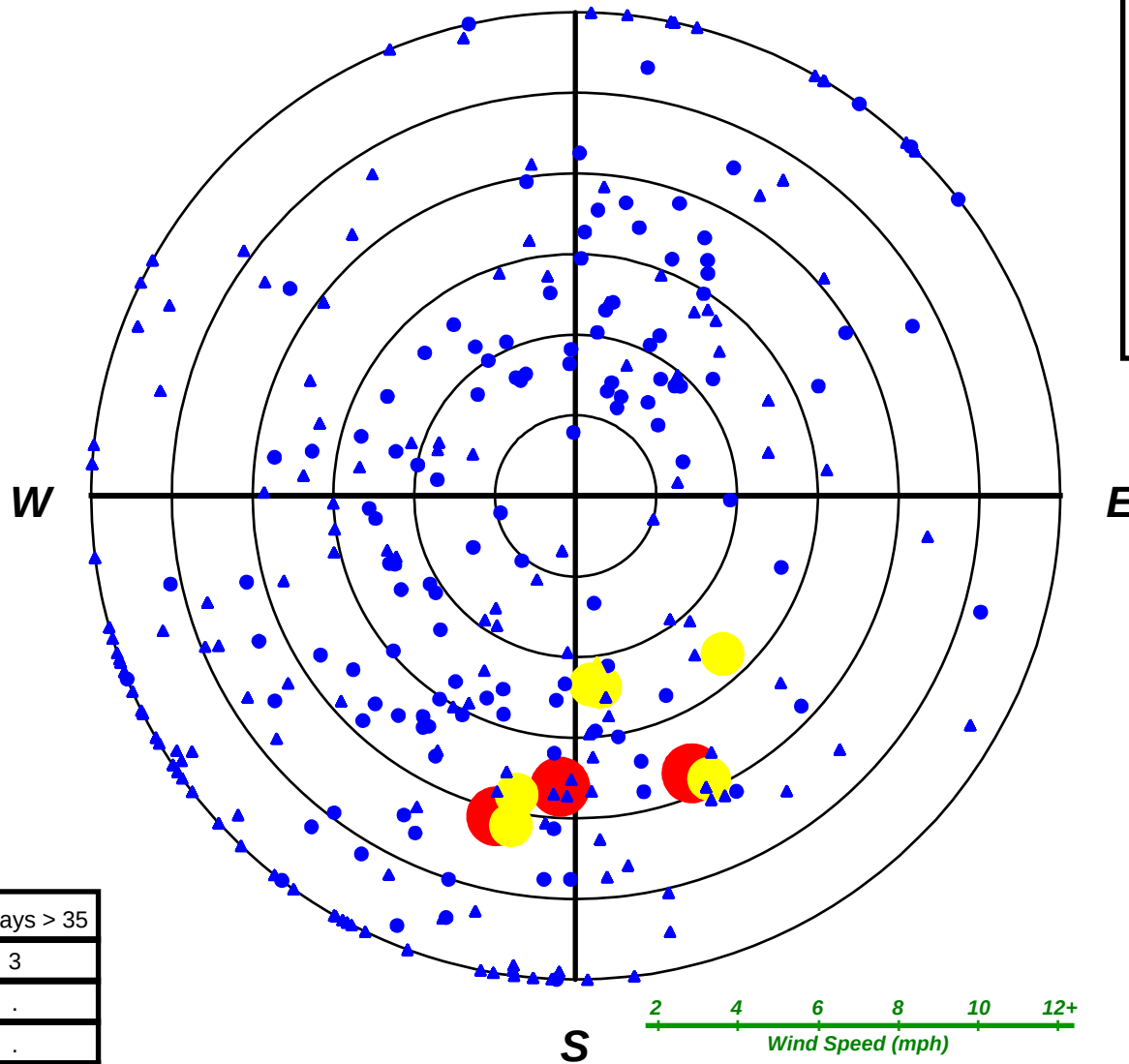
Site 391030003

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



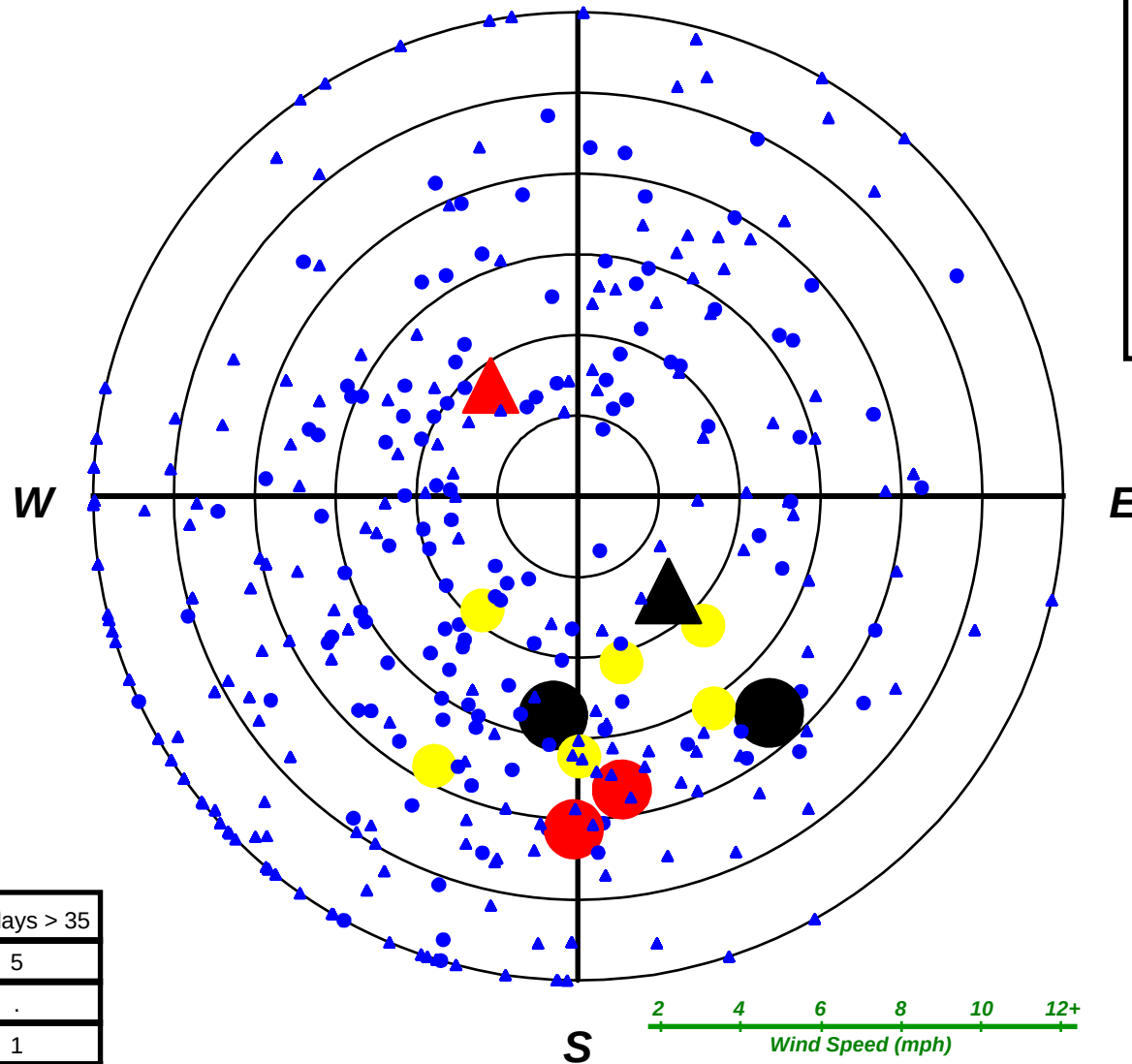
Year	98th %-ile	# days > 35
2005	38.8	3
2006	28.5	.
2007	28.7	.
Design Value	32-inc-a	

All exceedances plotted

*Meteorological data from 20.8 miles away
CLEVELAND_HOPKINS_INTL_AP (ID=14820)*

**Cleveland-Akron-Lorain, OH [Portage County, OH]
Pollution Rose, 2005-2007**

Site 391330002



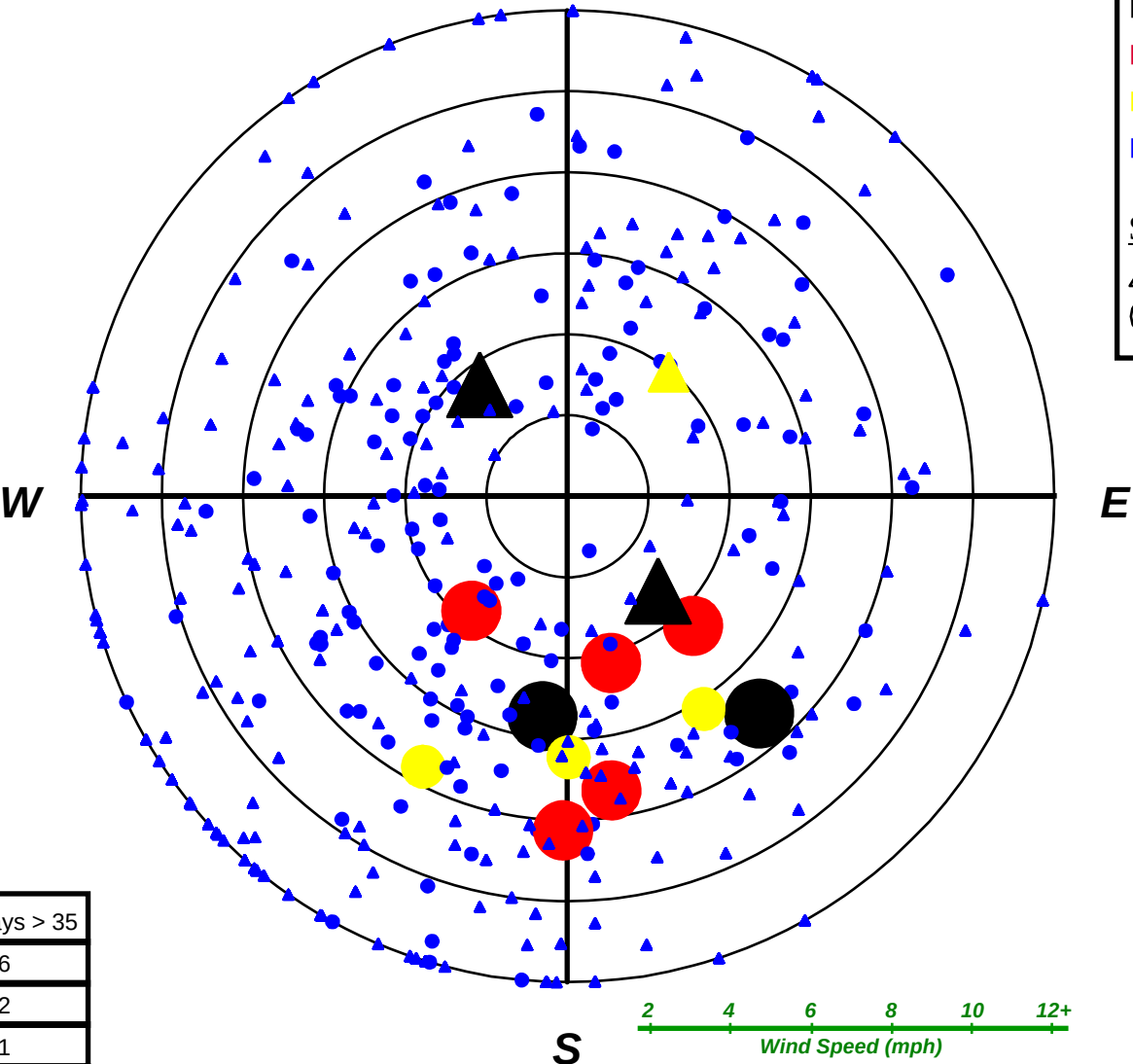
Year	98th %-ile	# days > 35
2005	42.2	5
2006	30.5	.
2007	31.0	1
Design Value	35-A	

All exceedances plotted

*Meteorological data from 20.0 miles away
AKRON_AKRON-CANTON_REG_AP (ID=14895)*

Cleveland-Akron-Lorain, OH [Summit County, OH]
Pollution Rose, 2005-2007

Site 391530017



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- $\triangle$ cool (Oct-Apr)
- $\bigcirc$ warm (May-Sep)

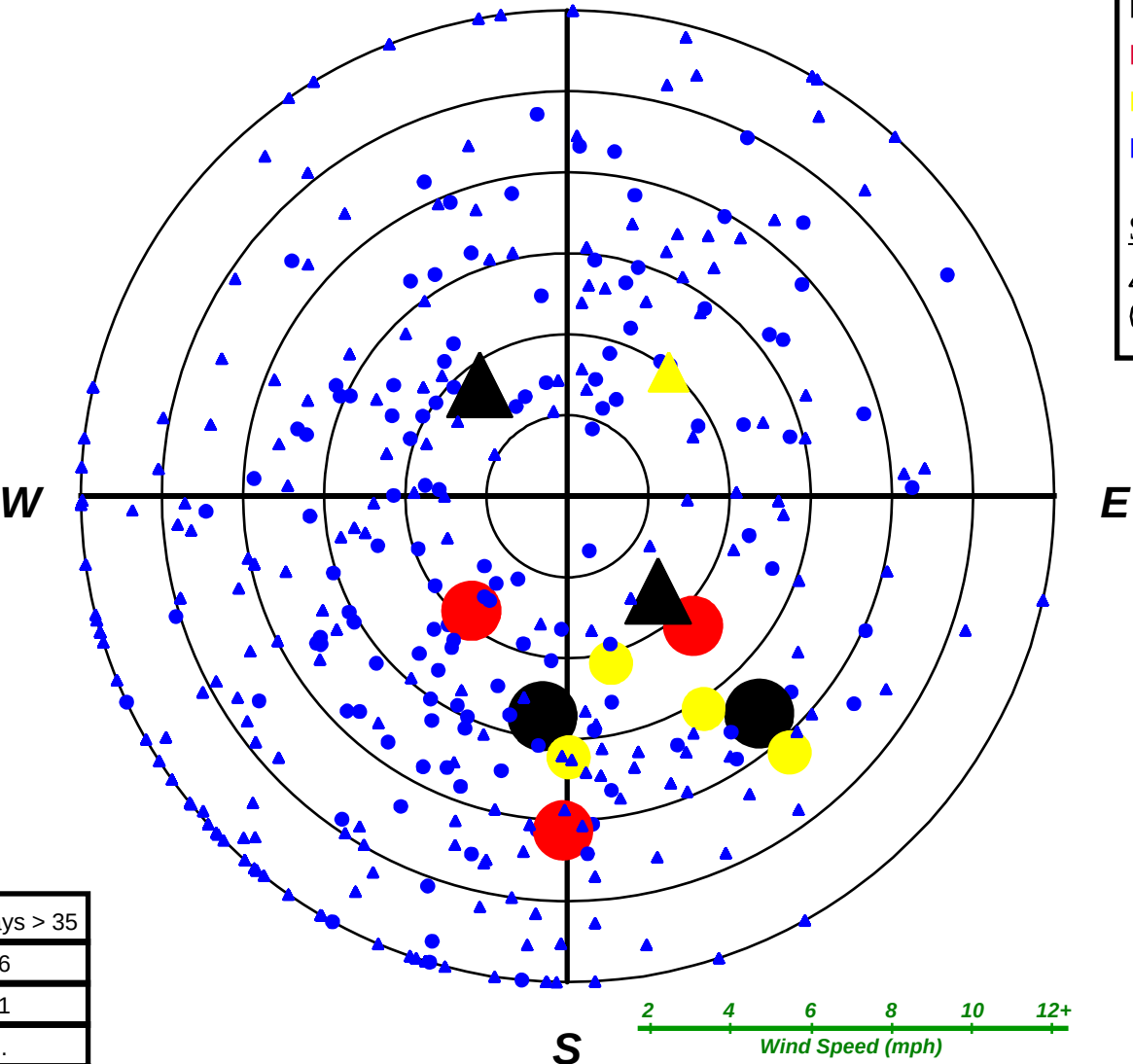
Year	98th %-ile	# days > 35
2005	45.2	6
2006	31.5	2
2007	33.3	1
Design Value	37-NA	

All exceedances plotted

Meteorological data from 10.3 miles away
AKRON_AKRON-CANTON_REG_AP (ID=14895)

Cleveland-Akron-Lorain, OH [Summit County, OH]
Pollution Rose, 2005-2007

Site 391530023



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	42.3	6
2006	30.4	1
2007	27.9	.
Design Value	34-A	

All exceedances plotted

Meteorological data from 13.1 miles away
AKRON_AKRON-CANTON_REG_AP (ID=14895)

Columbus, OH [Franklin County, OH]
Pollution Rose, 2005-2007

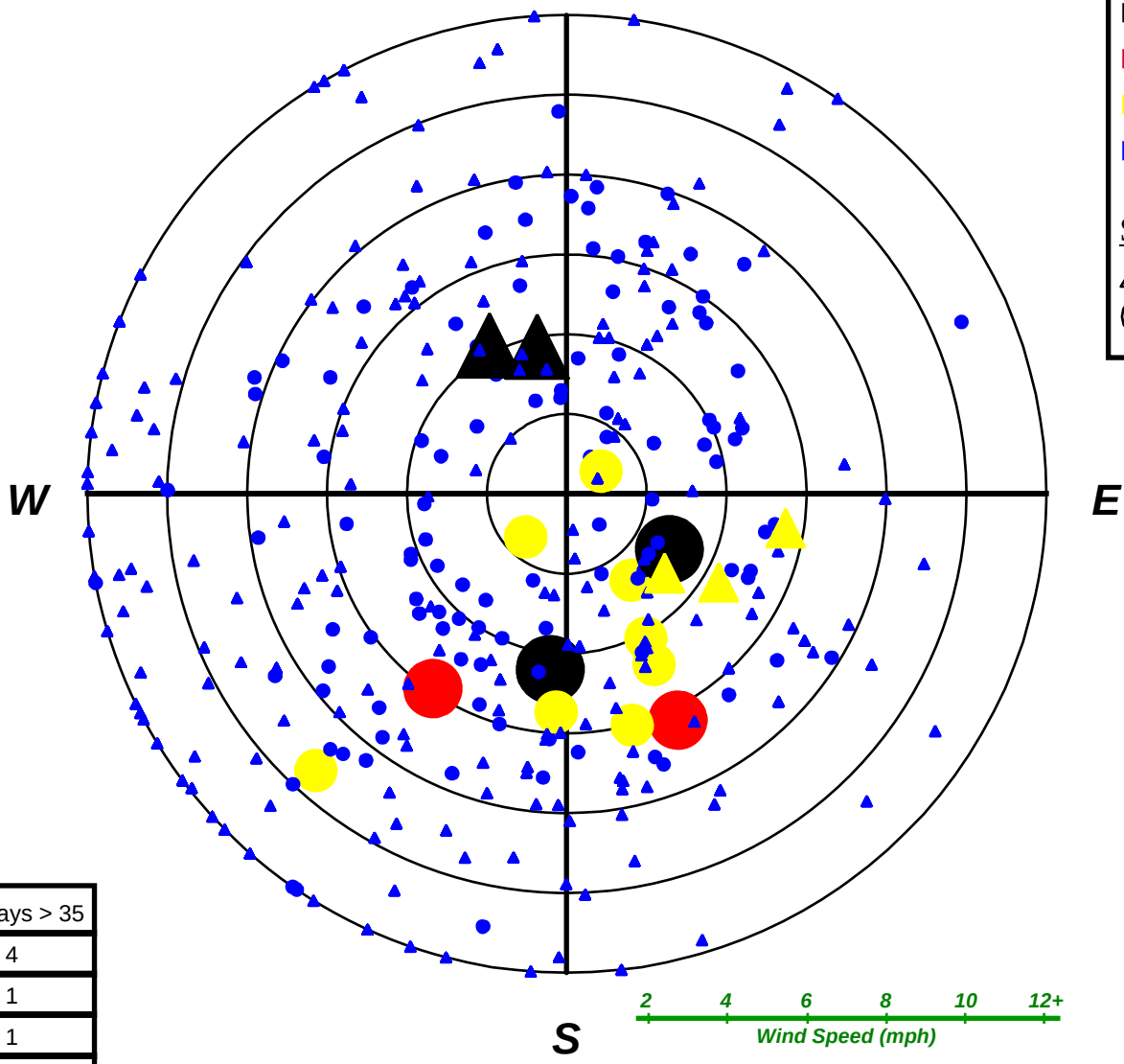
Site 390490024

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



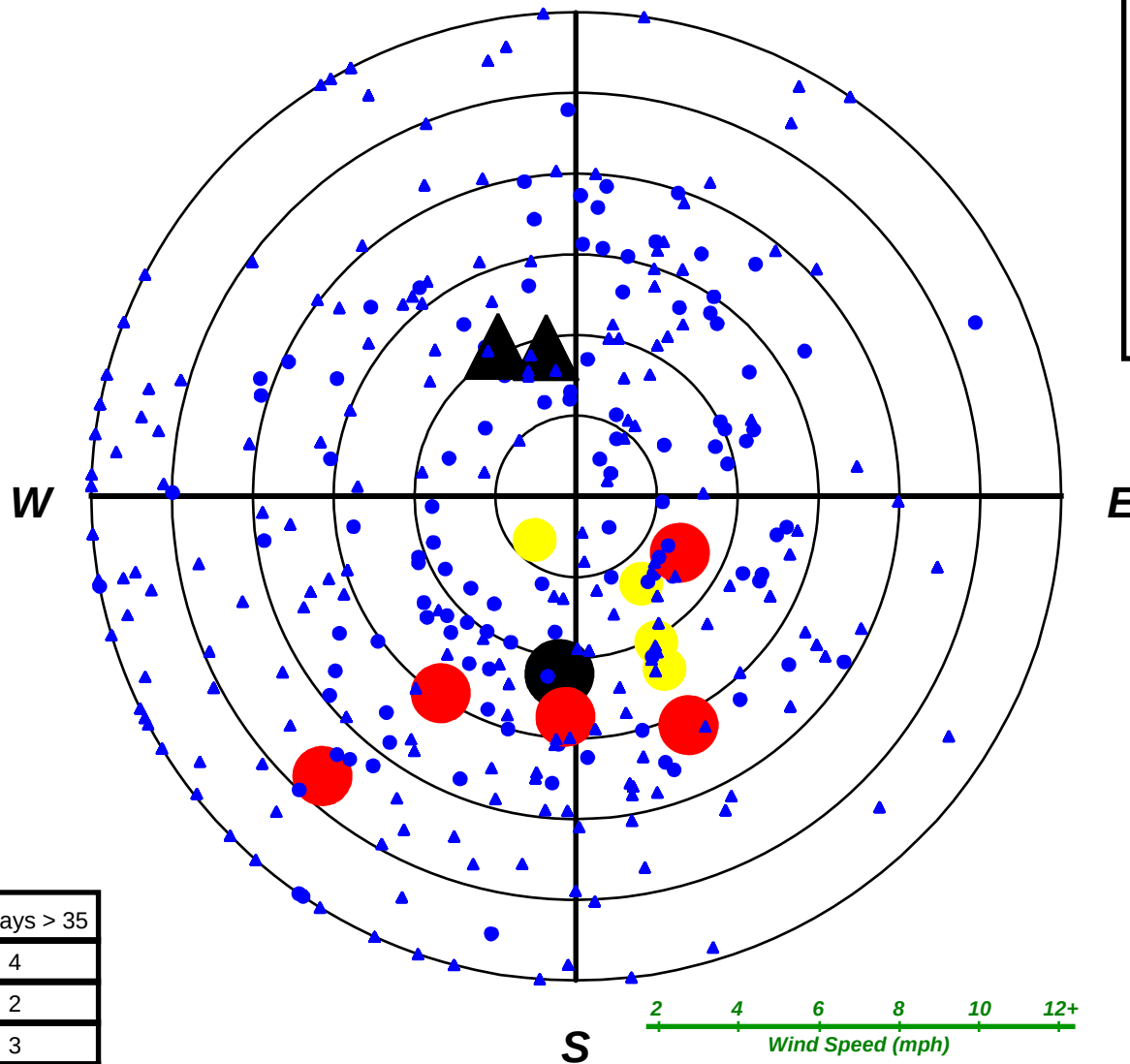
Year	98th %-ile	# days > 35
2005	45.0	4
2006	34.0	1
2007	34.2	1
Design Value	38-NA	

All exceedances plotted

Meteorological data from 5.9 miles away
COLUMBUS_PORT_COLUMBUS_INTL_A (ID=14821)

Columbus, OH [Franklin County, OH]
Pollution Rose, 2005-2007

Site 390490025



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

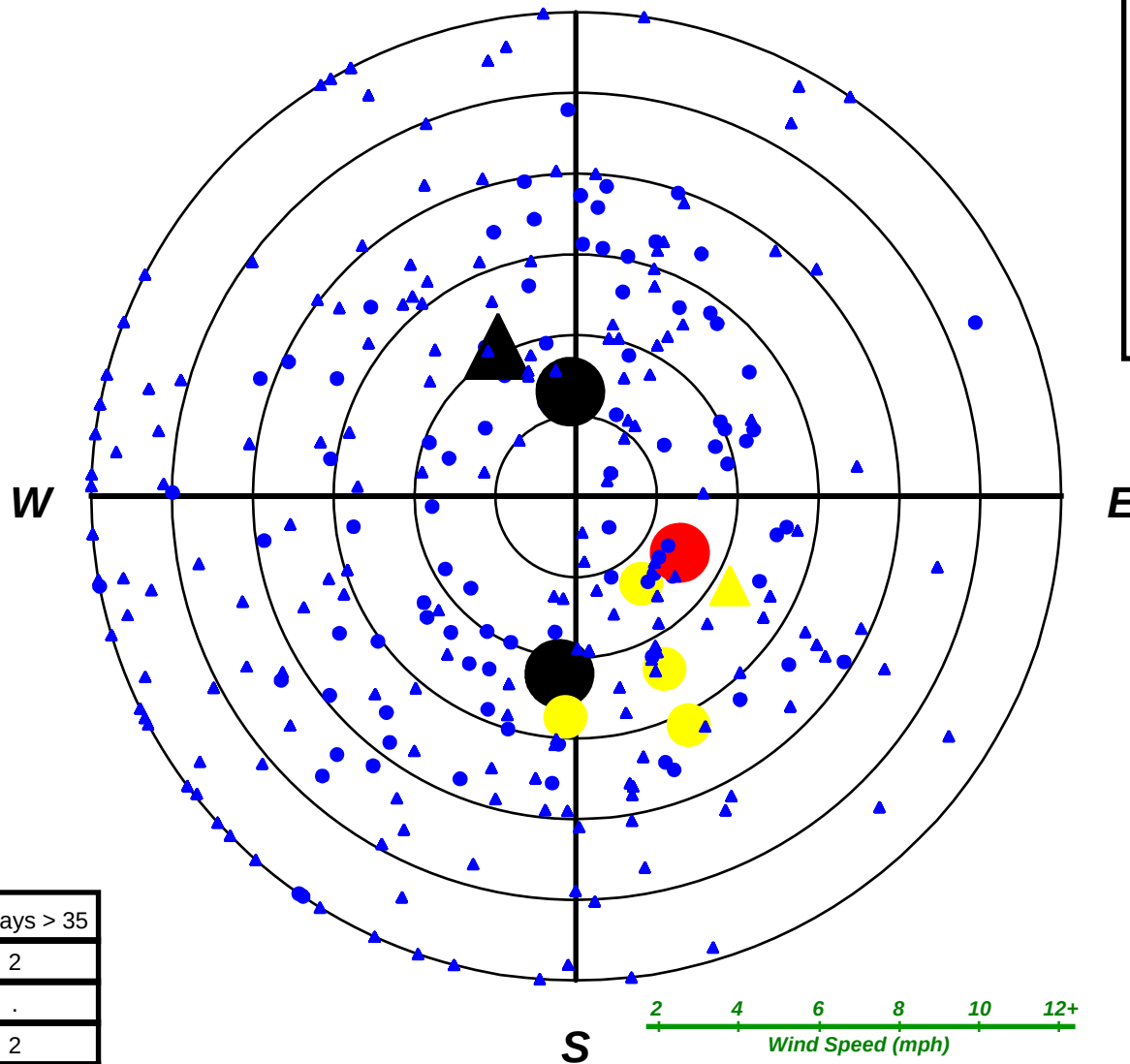
Year	98th %-ile	# days > 35
2005	44.9	4
2006	34.0	2
2007	35.5	3
Design Value	38-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.4 miles away
COLUMBUS_PORT_COLUMBUS_INTL_A (ID=14821)

Columbus, OH [Franklin County, OH]
Pollution Rose, 2005-2007

Site 390490081



Year	98th %-ile	# days > 35
2005	34.7	2
2006	31.2	.
2007	33.5	2
Design Value	33-inc-a	

All exceedances plotted

Meteorological data from 8.3 miles away
COLUMBUS_PORT_COLUMBUS_INTL_A (ID=14821)

**Davenport-Moline-Rock Island, IA-IL [Rock Island County, IL]
Pollution Rose, 2005-2007**

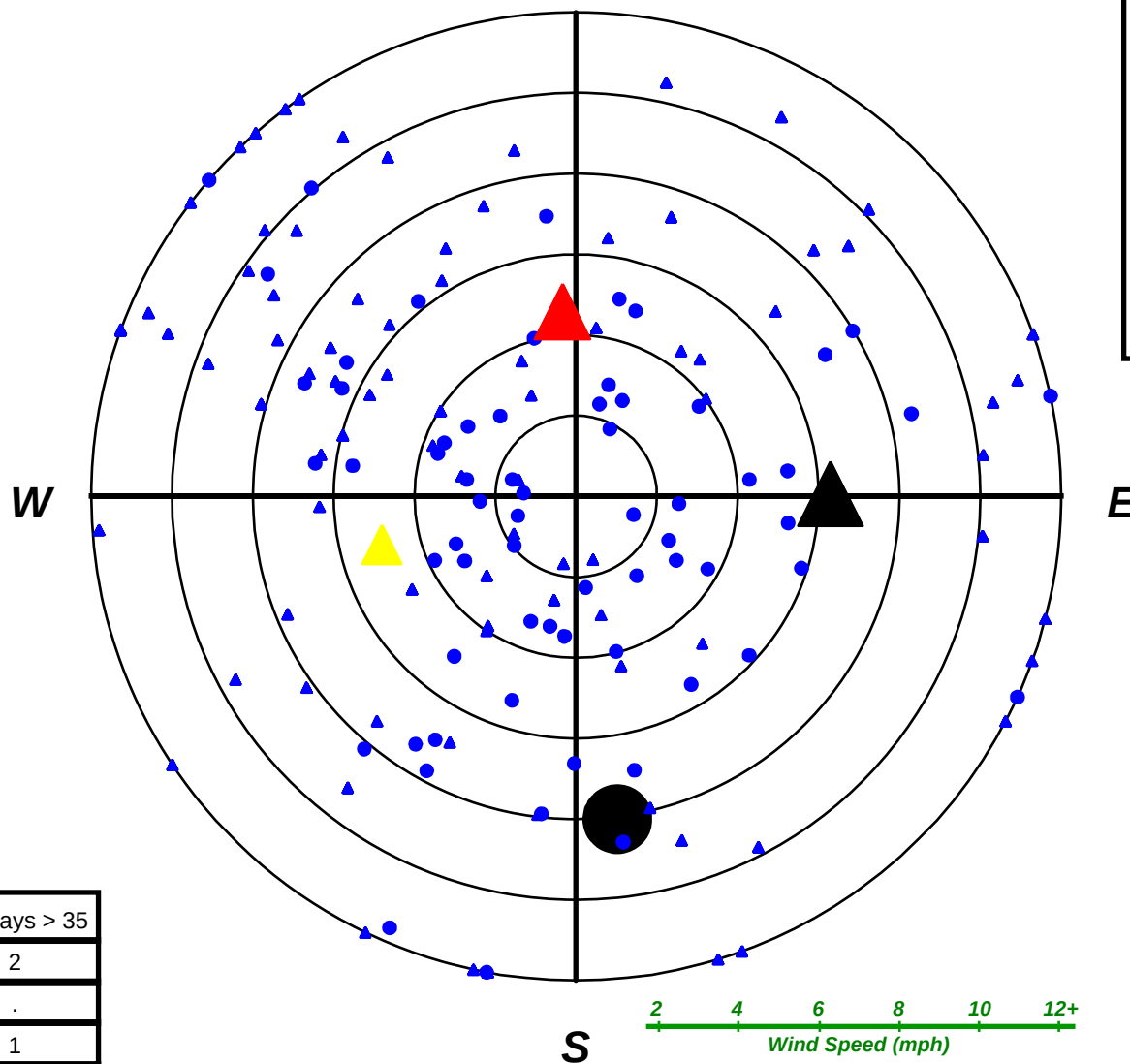
Site 171613002

Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



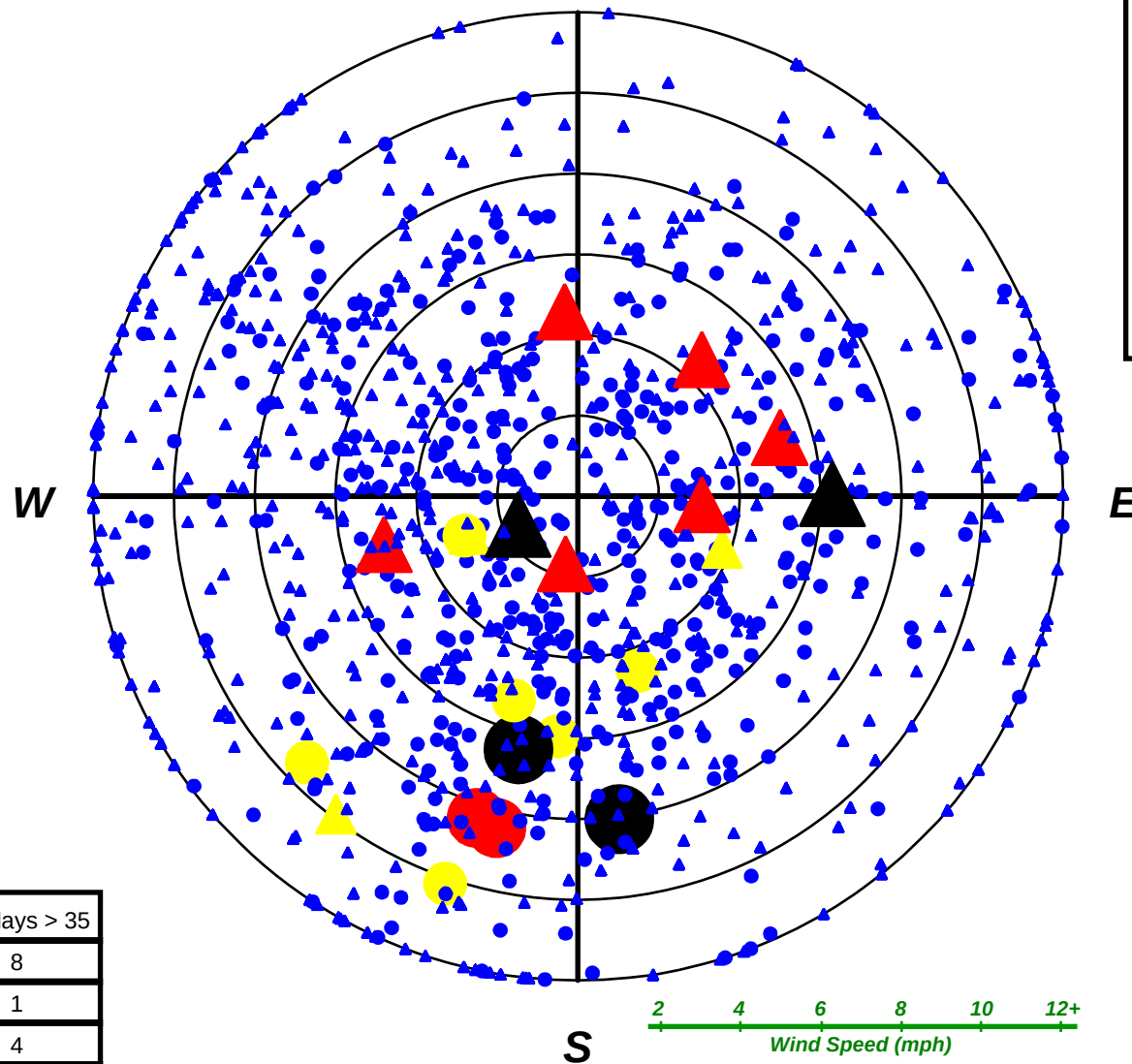
Year	98th %-ile	# days > 35
2005	39.3	2
2006	26.7	.
2007	26.9	1
Design Value	31-A	

All exceedances plotted

*Meteorological data from 3.3 miles away
MOLINE_QUAD_CITY_INTL_AP (ID=14923)*

**Davenport-Moline-Rock Island, IA-IL [Scott County, IA]
Pollution Rose, 2005-2007**

Site 191630015



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	36.7	8
2006	25.9	1
2007	30.4	4
Design Value	31-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 5.7 miles away
MOLINE_QUAD_CITY_INTL_AP (ID=14923)*

**Davenport-Moline-Rock Island, IA-IL [Scott County, IA]
Pollution Rose, 2005-2007**

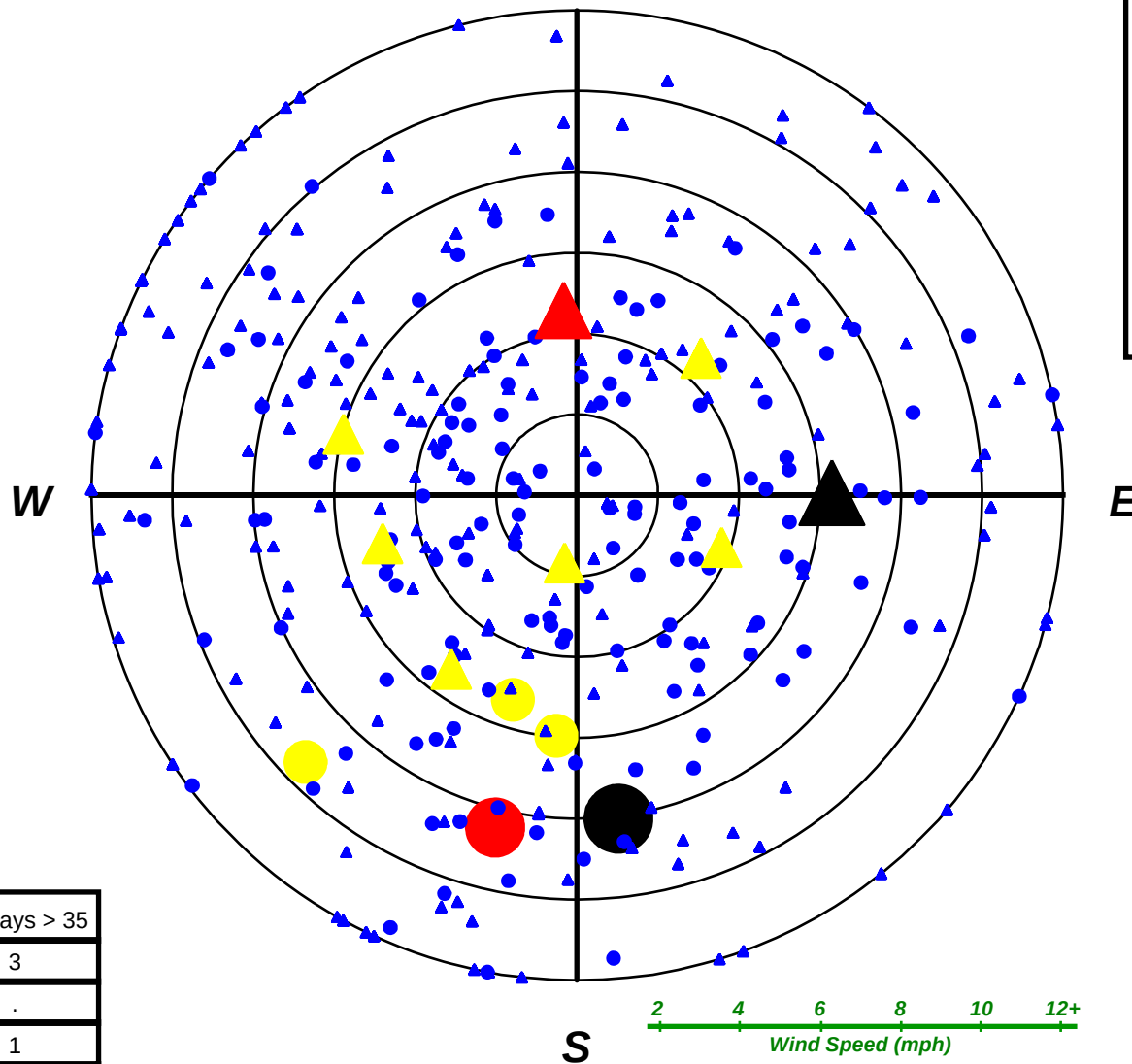
Site 191630018

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	36.8	3
2006	26.3	.
2007	32.8	1
Design Value	32-A	

All exceedances plotted

*Meteorological data from 7.2 miles away
MOLINE_QUAD_CITY_INTL_AP (ID=14923)*

**Davenport-Moline-Rock Island, IA-IL [Scott County, IA]
Pollution Rose, 2005-2007**

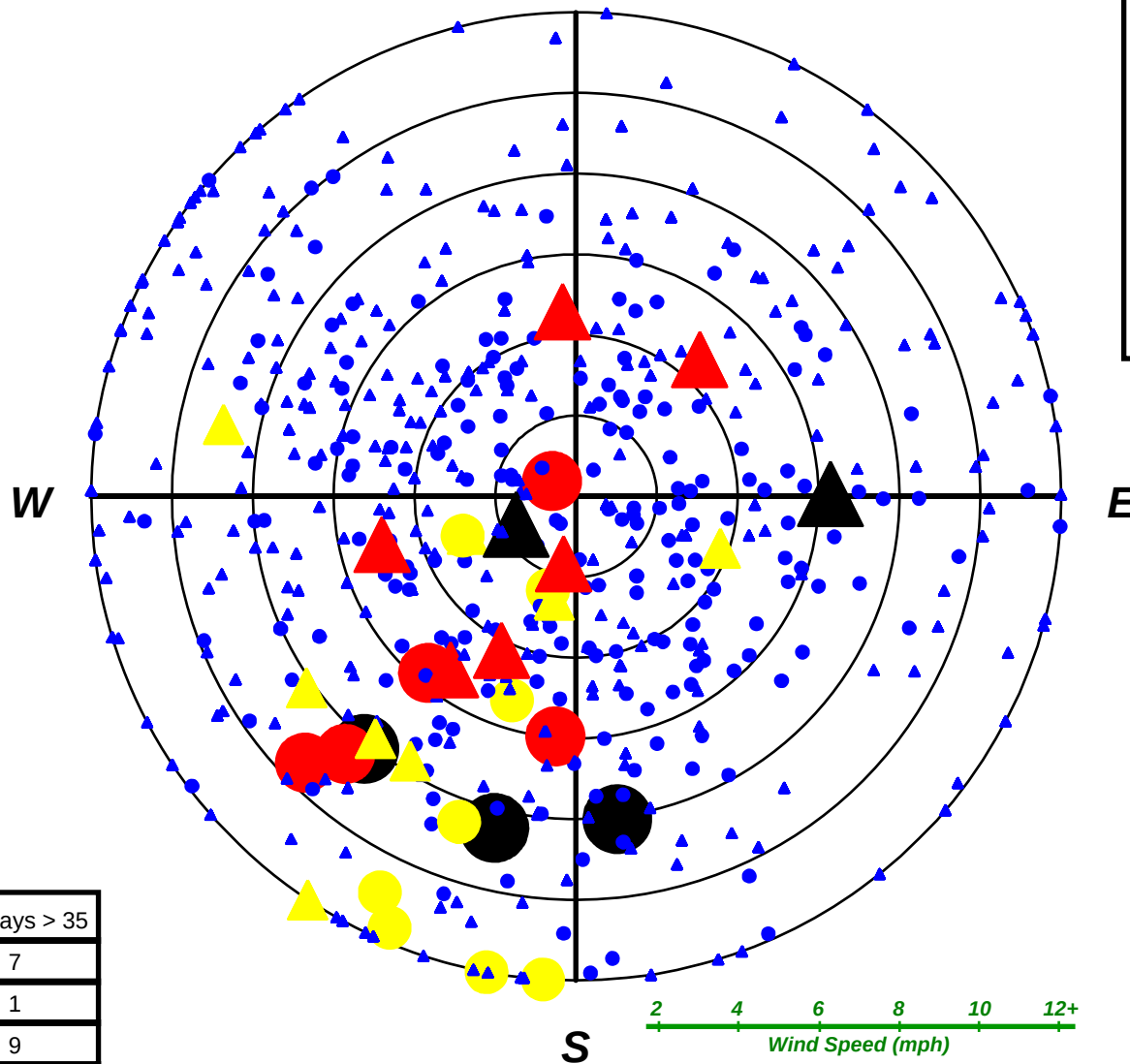
Site 191630019

Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



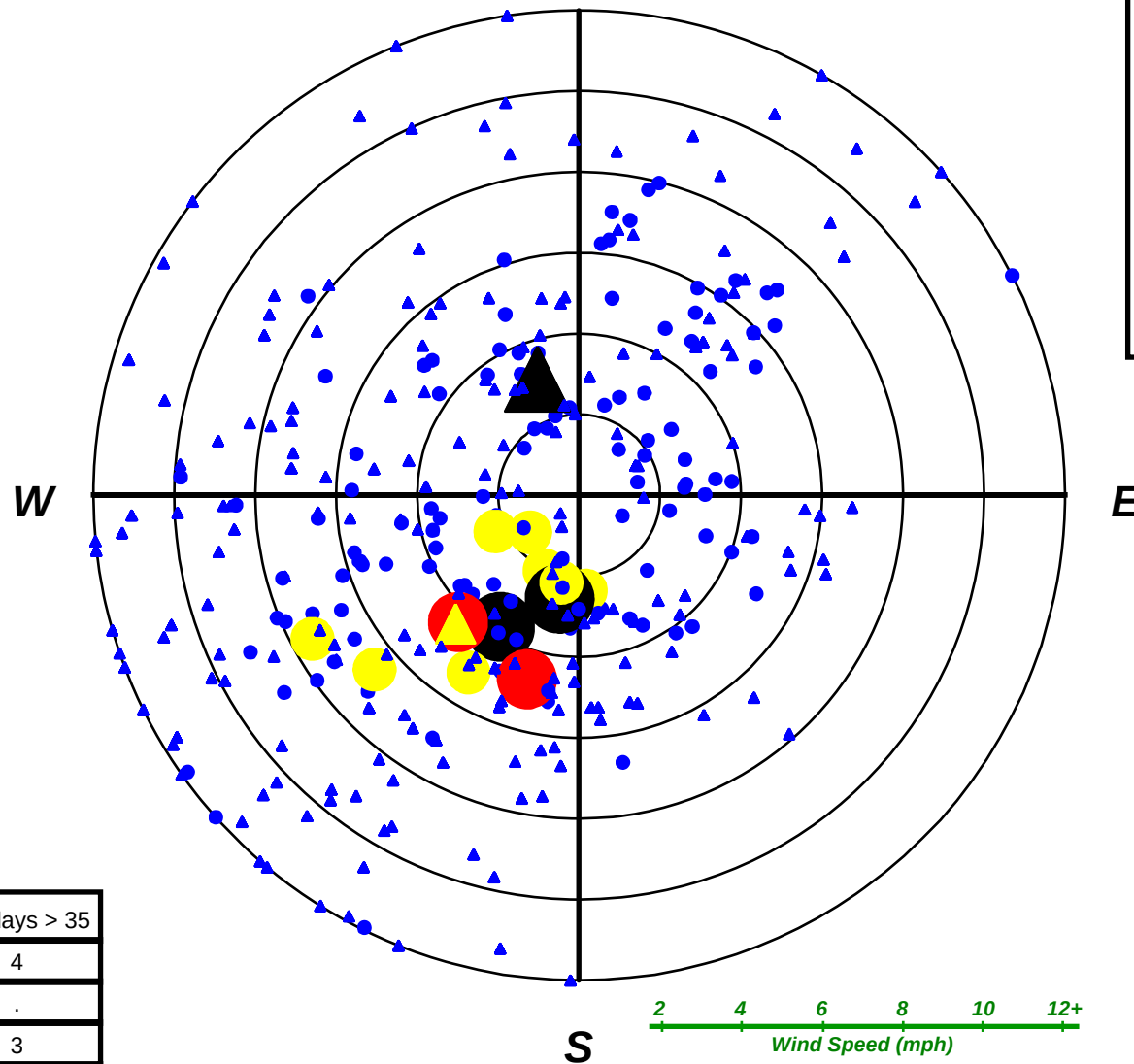
Year	98th %-ile	# days > 35
2005	41.2	7
2006	32.7	1
2007	37.4	9
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.3 miles away
MOLINE_QUAD_CITY_INTL_AP (ID=14923)

Dayton-Springfield, OH [Clark County, OH]
Pollution Rose, 2005-2007

Site 390230005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	41.6	4
2006	30.5	.
2007	37.2	3
Design Value	36-NA	

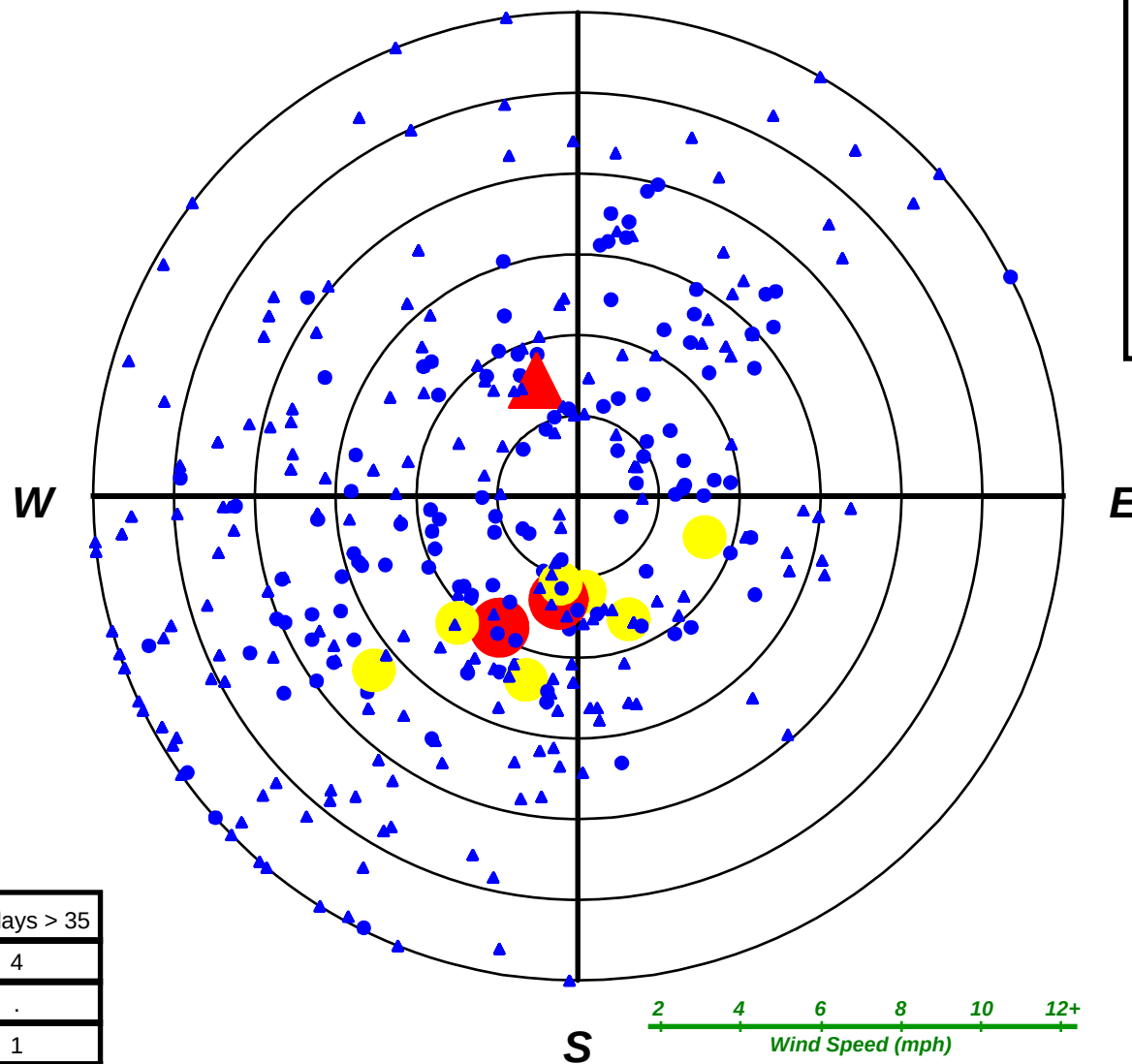
2 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 14.4 miles away
DAYTON_WRIGHT_PATTERSON_AFB (ID=13840)

Dayton-Springfield, OH [Greene County, OH]
Pollution Rose, 2005-2007

Site 390570005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	40.0	4
2006	26.5	.
2007	32.6	1
Design Value	33-A	

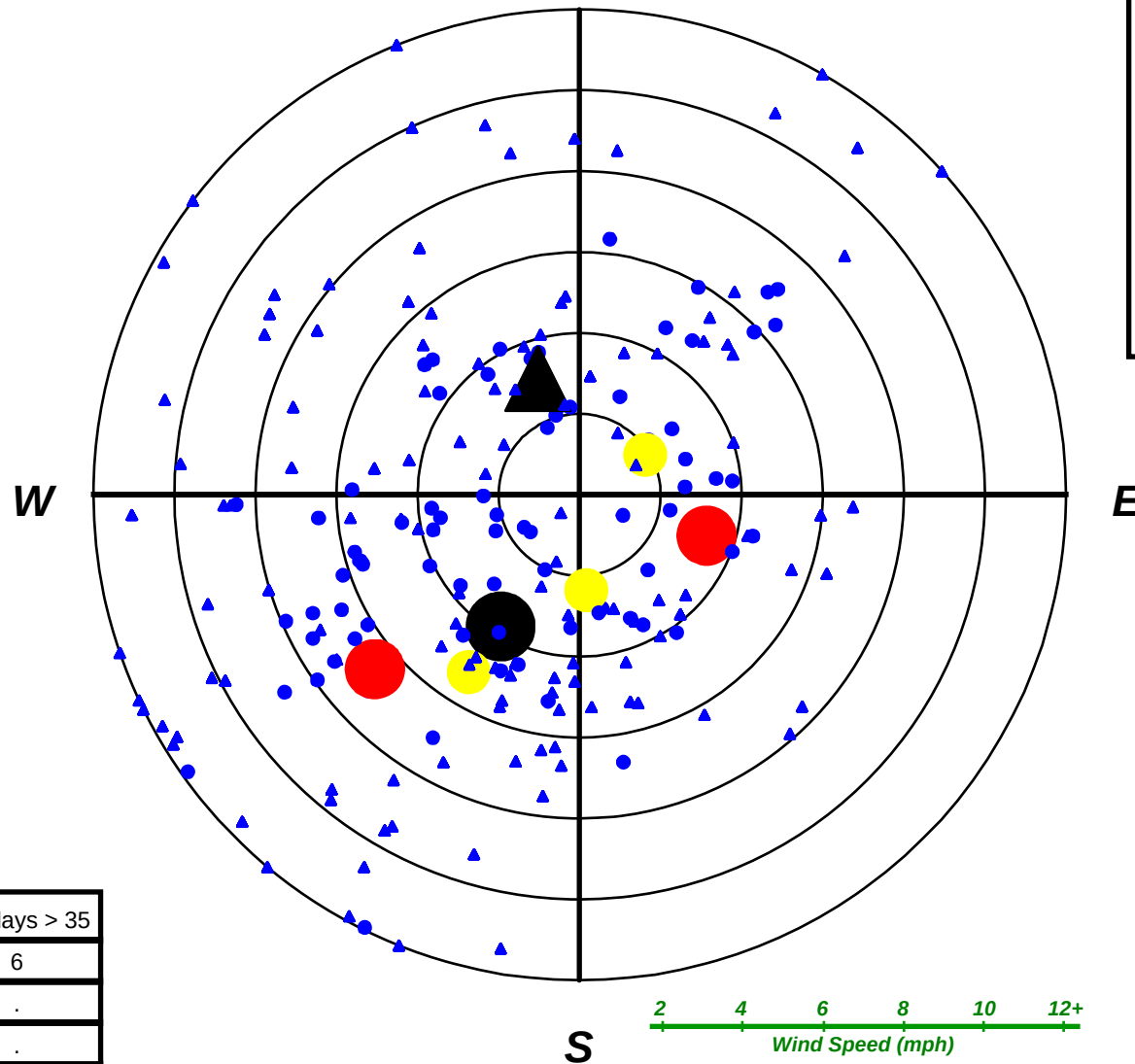
2 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 8.8 miles away
DAYTON_WRIGHT_PATTERSON_AFB (ID=13840)

Dayton-Springfield, OH [Montgomery County, OH]
Pollution Rose, 2005-2007

Site 391130031



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

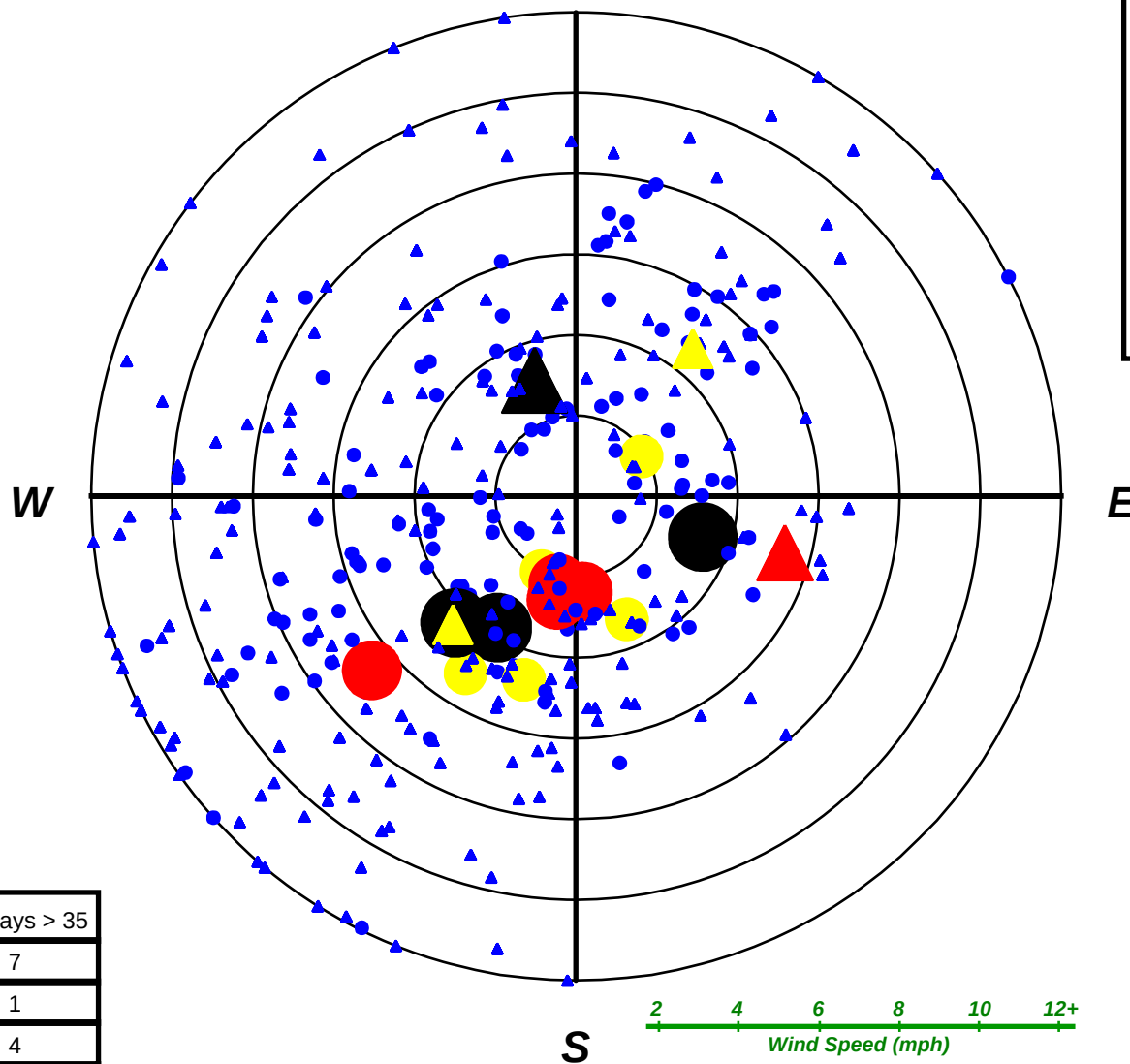
Year	98th %-ile	# days > 35
2005	42.9	6
2006	28.9	.
2007	.	.
Design Value	36-inc-na	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 7.1 miles away
DAYTON_WRIGHT_PATTERSON_AFB (ID=13840)

Dayton-Springfield, OH [Montgomery County, OH]
Pollution Rose, 2005-2007

Site 391130032



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	45.0	7
2006	30.3	1
2007	36.9	4
Design Value	37-NA	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 8.9 miles away
DAYTON_WRIGHT_PATTERSON_AFB (ID=13840)

Dayton-Springfield, OH [Preble County, OH]
Pollution Rose, 2005-2007

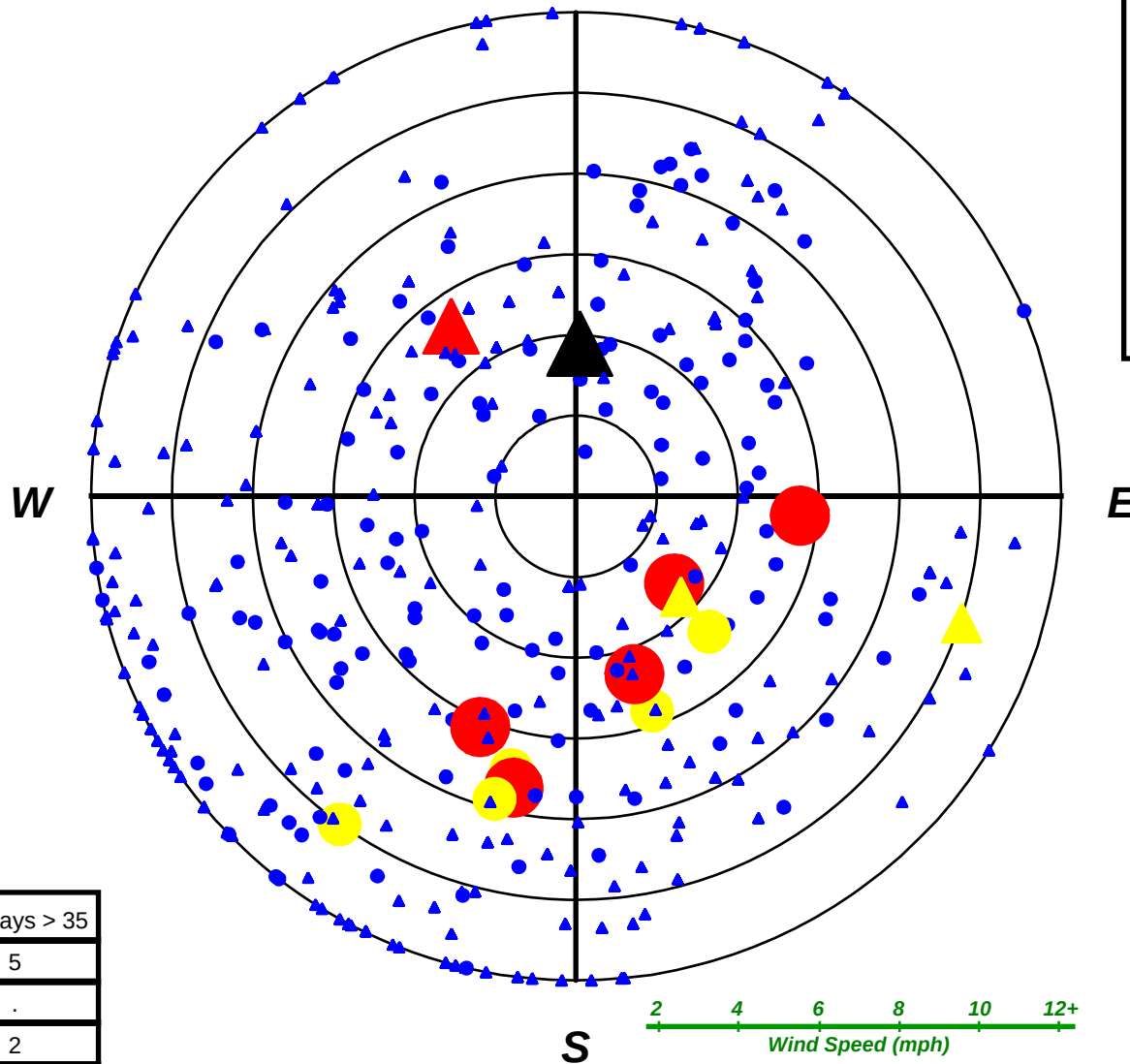
Site 391351001

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	39.0	5
2006	28.7	.
2007	34.0	2
Design Value	34-A	

All exceedances plotted

Meteorological data from 27.1 miles away
DAYTON INTERNATIONAL AIRPORT (ID=93815)

**Detroit-Ann Arbor, MI [Genesee County, MI]
Pollution Rose, 2005-2007**

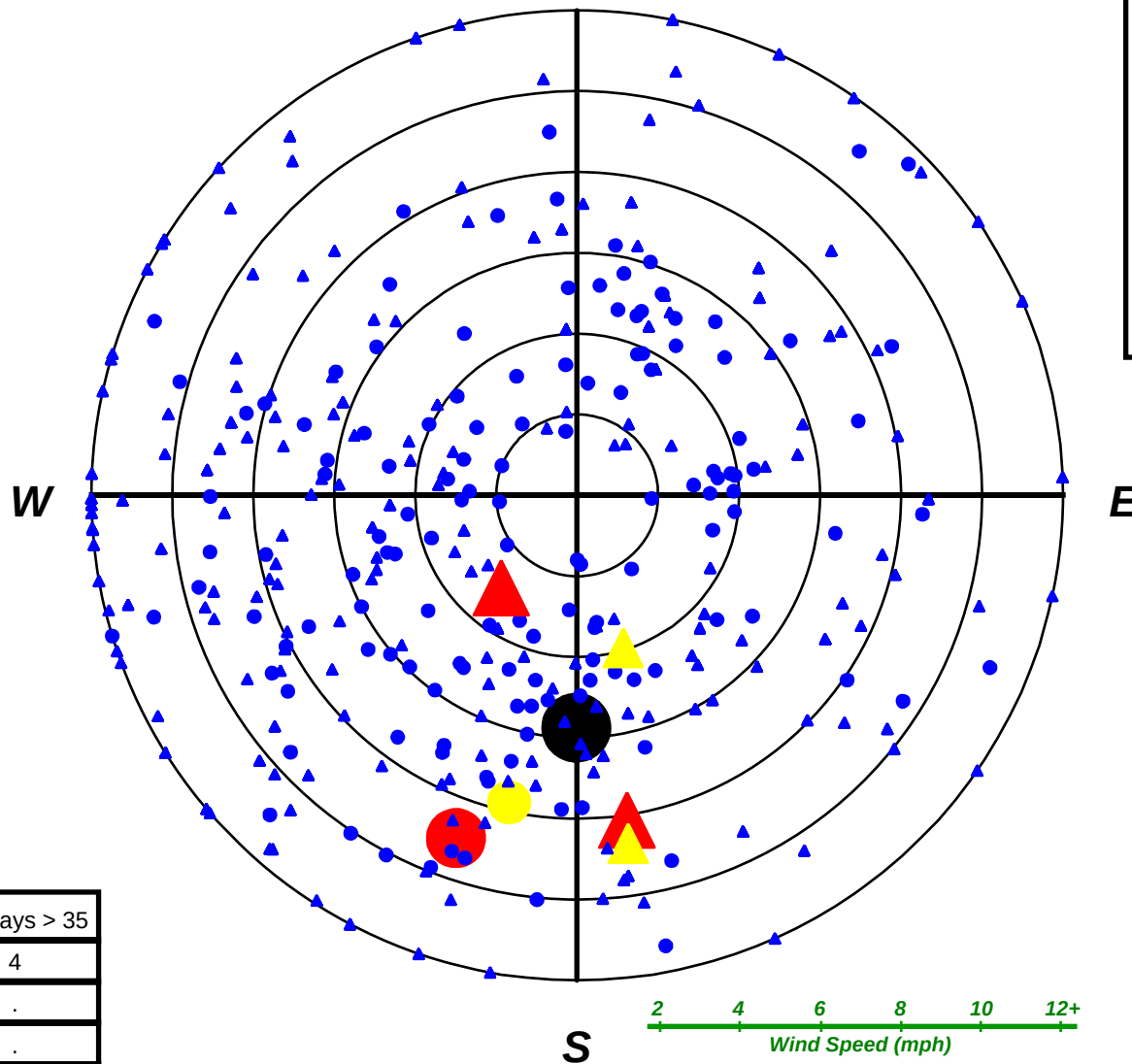
Site 260490021

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



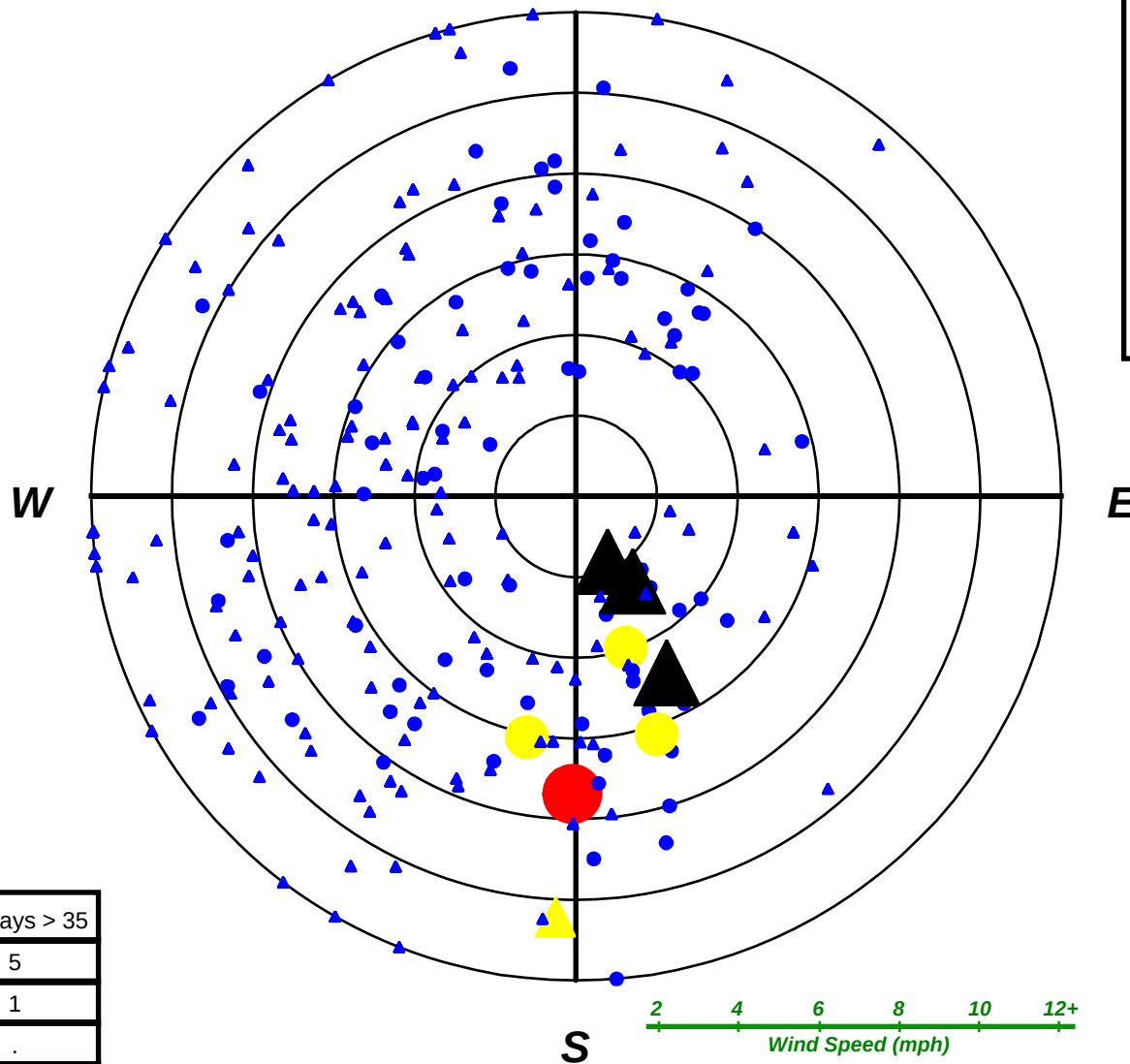
Year	98th %-ile	# days > 35
2005	35.9	4
2006	26.7	.
2007	25.1	.
Design Value	29-A	

All exceedances plotted

Meteorological data from 6.9 miles away
FLINT_BISHOP_INTL_ARPT (ID=14826)

**Detroit-Ann Arbor, MI [Macomb County, MI]
Pollution Rose, 2005-2007**

Site 260990009



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

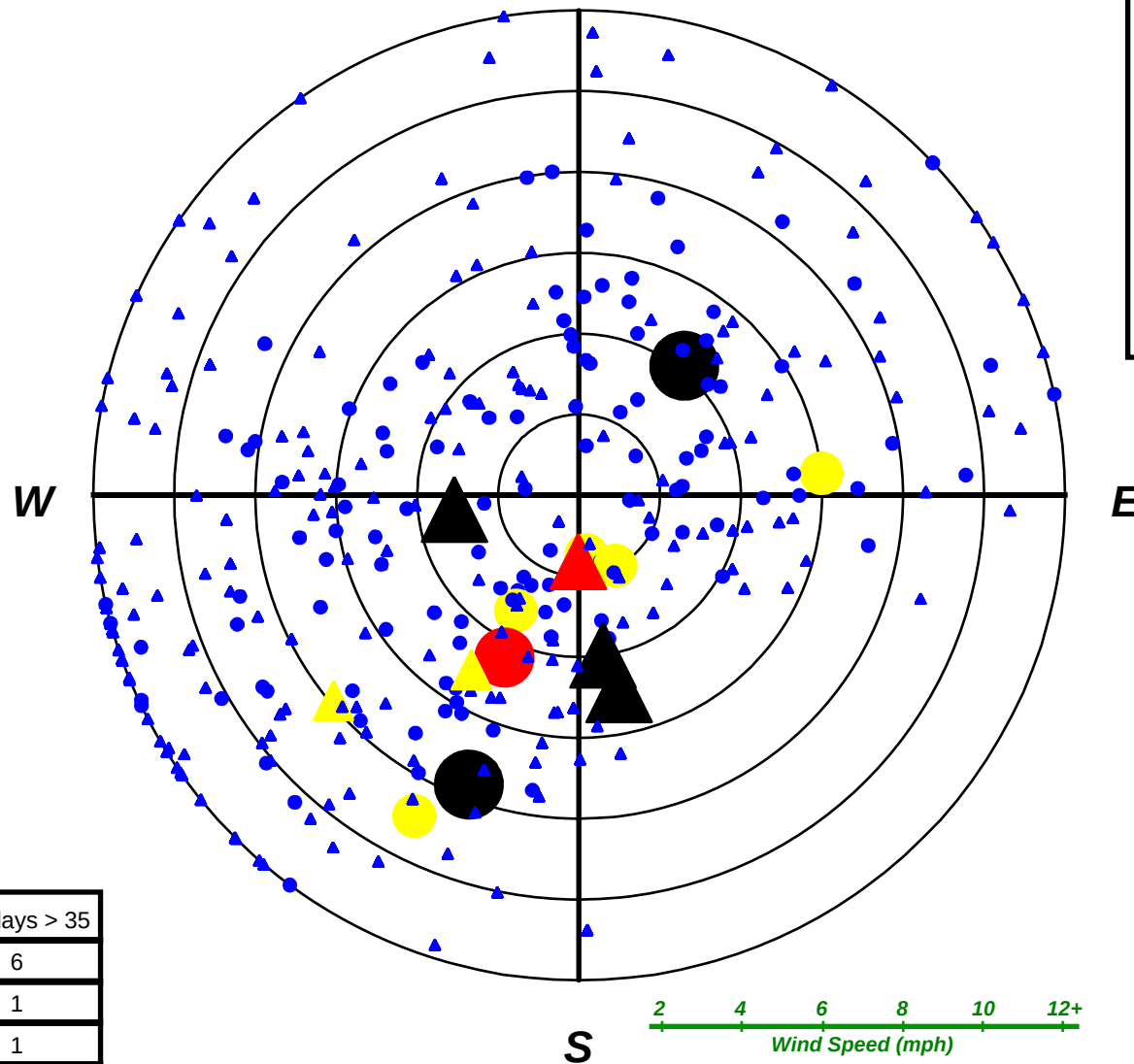
Year	98th %-ile	# days > 35
2005	41.5	5
2006	34.4	1
2007	29.0	.
Design Value	35-A	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 8.2 miles away
MOUNT_CLEMENS_SELFRIDGE_FLD (ID=14804)*

**Detroit-Ann Arbor, MI [Monroe County, MI]
Pollution Rose, 2005-2007**

Site 261150005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

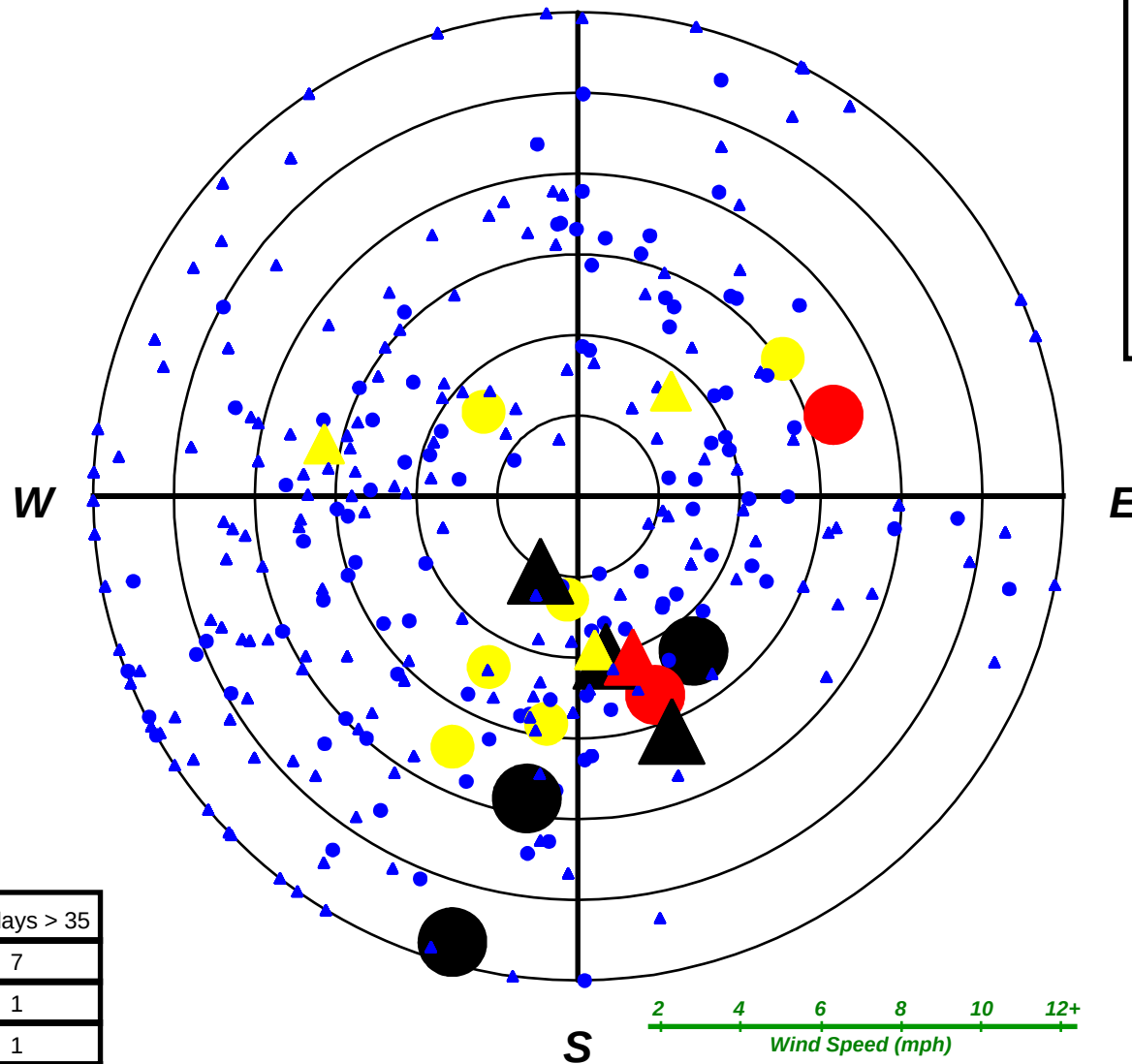
Year	98th %-ile	# days > 35
2005	49.3	6
2006	32.6	1
2007	32.2	1
Design Value	38-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 21.1 miles away
TOLEDO_EXPRESS_AIRPORT (ID=94830)

**Detroit-Ann Arbor, MI [Oakland County, MI]
Pollution Rose, 2005-2007**

Site 261250001



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

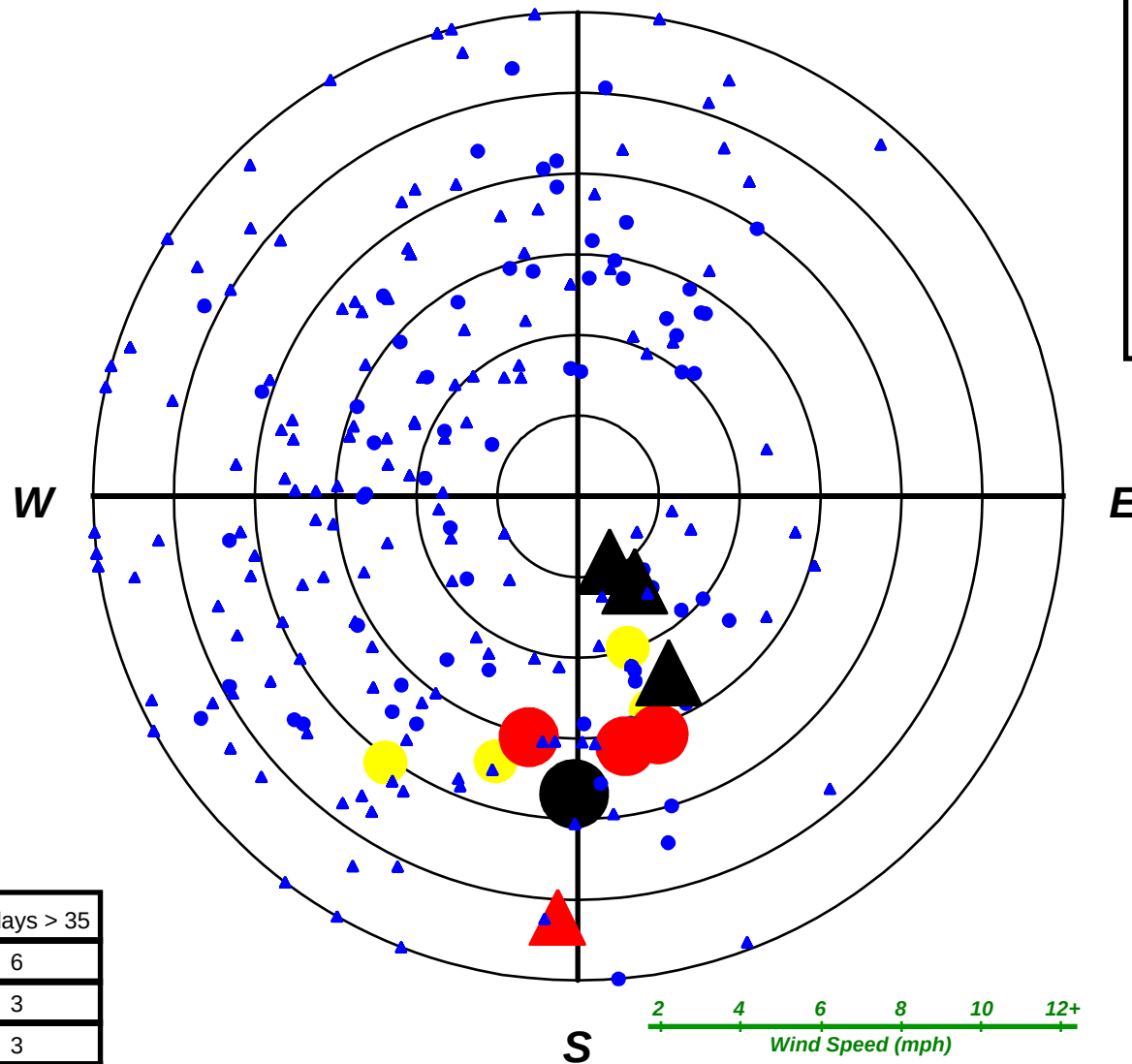
Year	98th %-ile	# days > 35
2005	52.2	7
2006	33.0	1
2007	35.3	1
Design Value	40-NA	

All exceedances plotted

Meteorological data from 10.3 miles away
DETROIT_CITY_AIRPORT (ID=14822)

**Detroit-Ann Arbor, MI [St. Clair County, MI]
Pollution Rose, 2005-2007**

Site 261470005



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	47.6	6
2006	37.9	3
2007	36.3	3
Design Value	41-NA	

4 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 30.1 miles away
MOUNT_CLEMENS_SELFRIDGE_FLD (ID=14804)*

**Detroit-Ann Arbor, MI [Washtenaw County, MI]
Pollution Rose, 2005-2007**

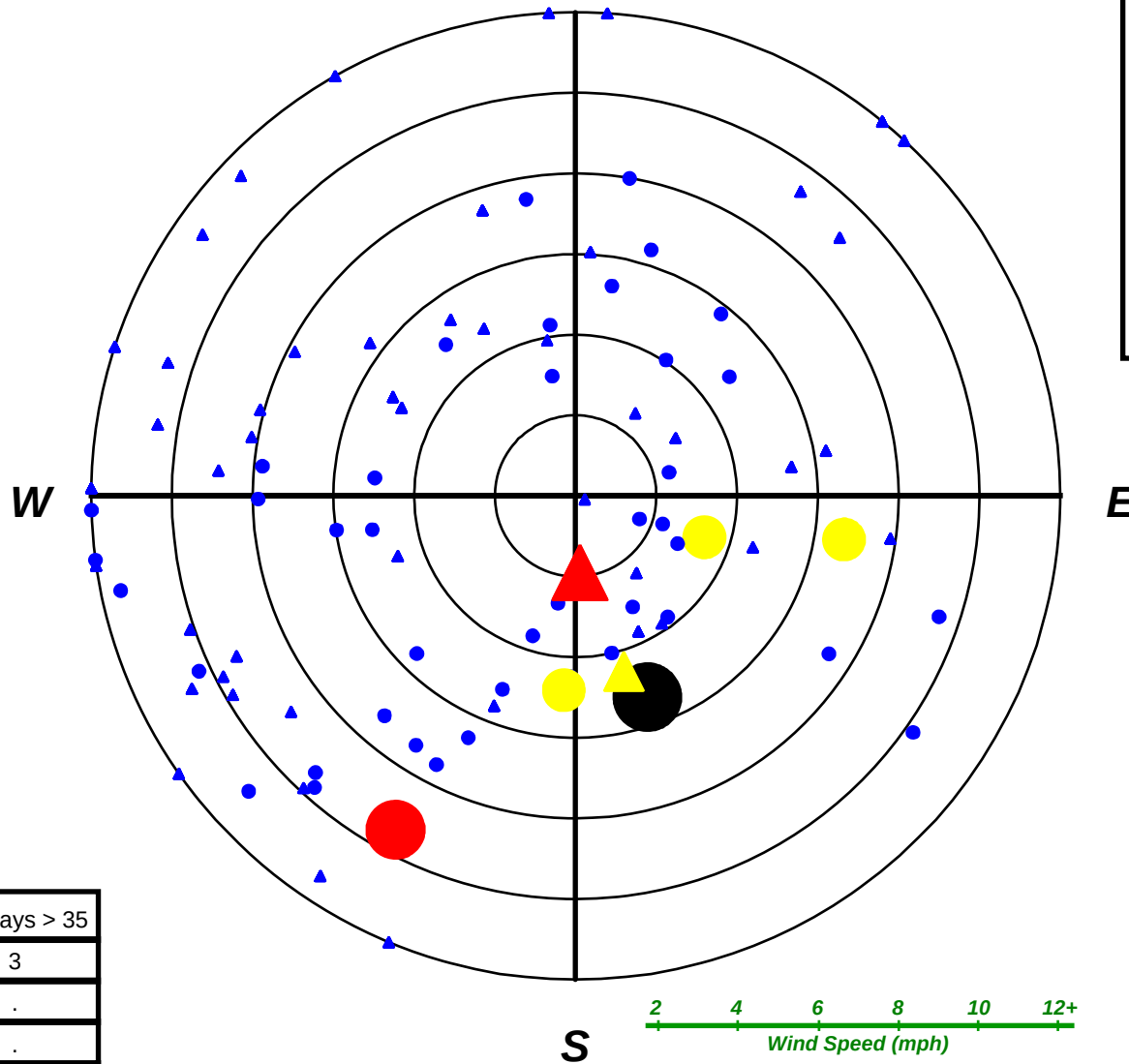
Site 261610005

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	39.1	3
2006	.	.
2007	.	.
Design Value	39-inc-na	

All exceedances plotted

Meteorological data from 10.0 miles away
DETROIT_WILLOW_RUN_AP (ID=14853)

**Detroit-Ann Arbor, MI [Washtenaw County, MI]
Pollution Rose, 2005-2007**

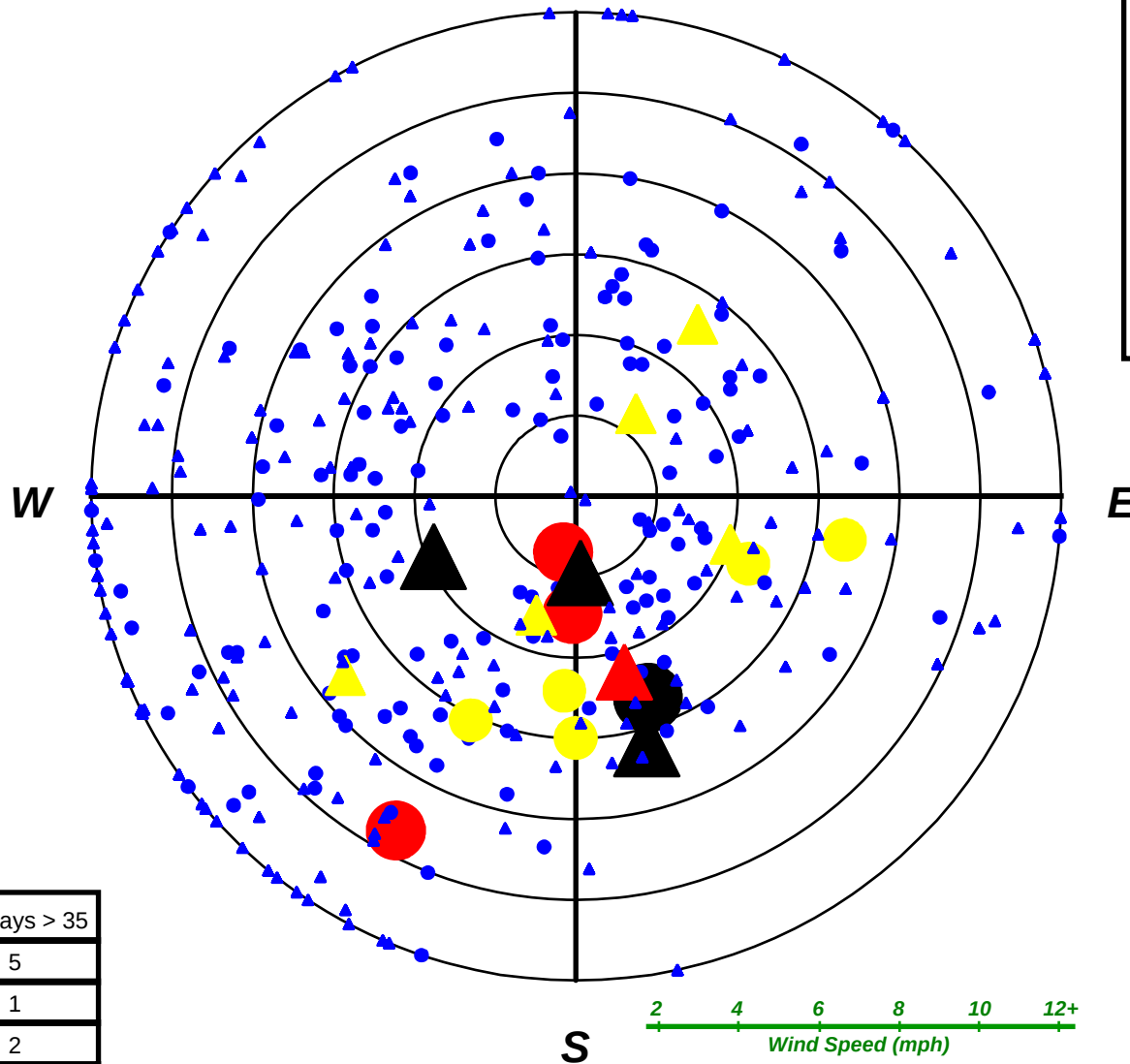
Site 261610008

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



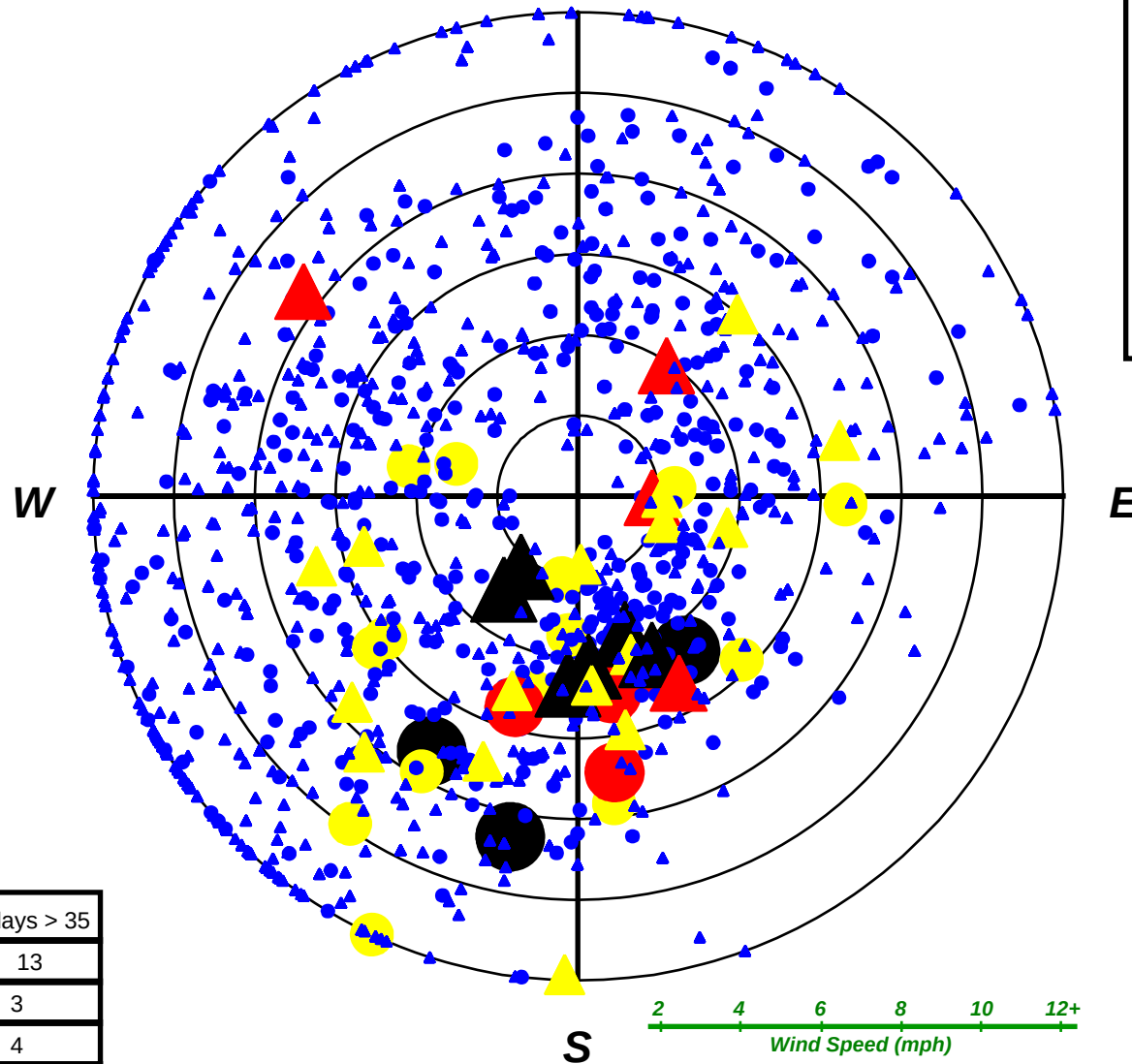
Year	98th %-ile	# days > 35
2005	52.1	5
2006	31.3	1
2007	34.5	2
Design Value	39-NA	

All exceedances plotted

Meteorological data from 3.4 miles away
DETROIT_WILLOW_RUN_AP (ID=14853)

**Detroit-Ann Arbor, MI [Wayne County, MI]
Pollution Rose, 2005-2007**

Site 261630001



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	43.0	13
2006	33.0	3
2007	31.2	4
Design Value	36-NA	

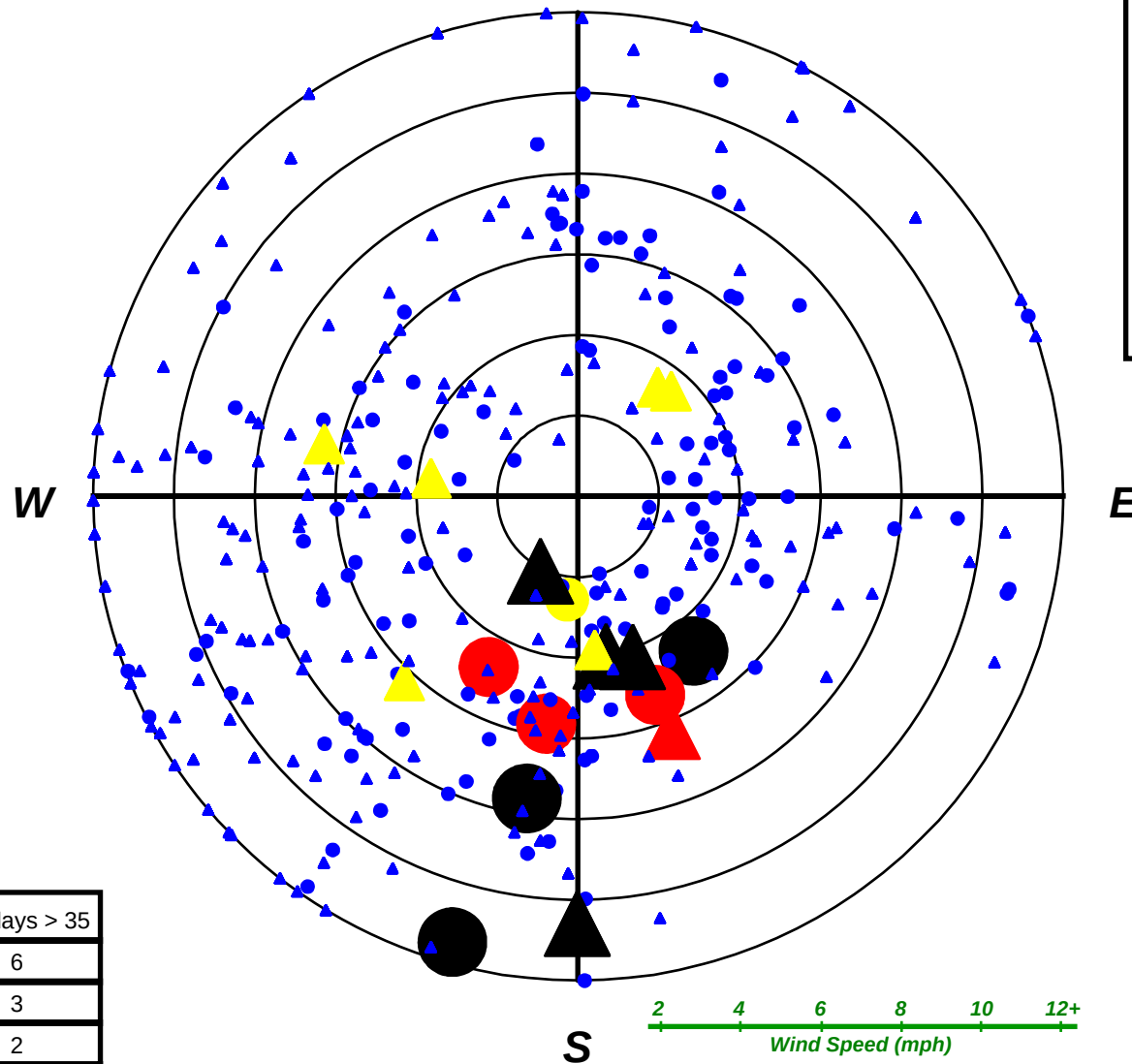
2 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 7.3 miles away
DETROIT_METROPOLITAN_ARPT (ID=94847)*

**Detroit-Ann Arbor, MI [Wayne County, MI]
Pollution Rose, 2005-2007**

Site 261630015



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	49.7	6
2006	36.2	3
2007	34.0	2
Design Value	40-NA	

All exceedances plotted

Meteorological data from 8.6 miles away
DETROIT_CITY_AIRPORT (ID=14822)

**Detroit-Ann Arbor, MI [Wayne County, MI]
Pollution Rose, 2005-2007**

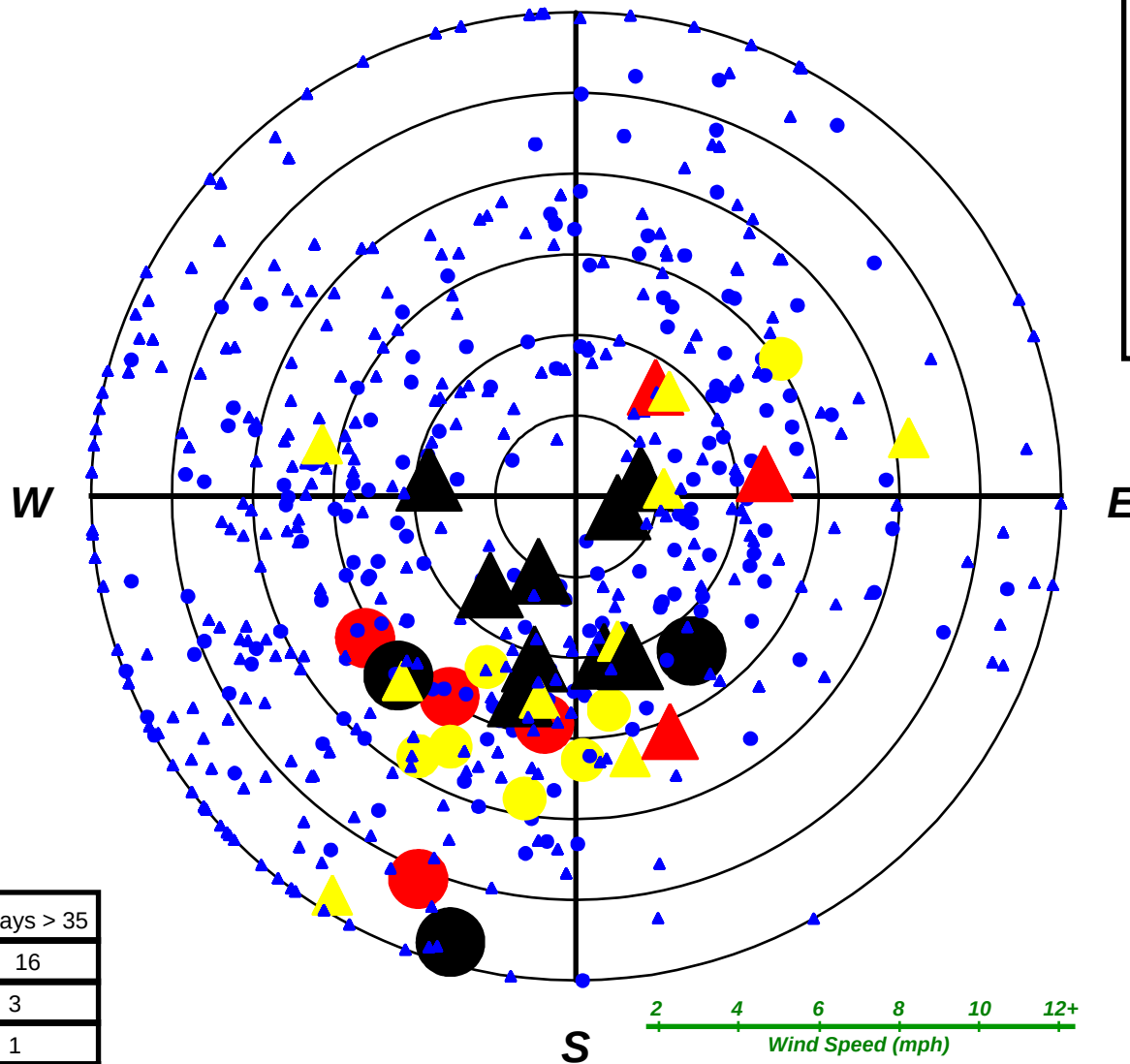
Site 261630016

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



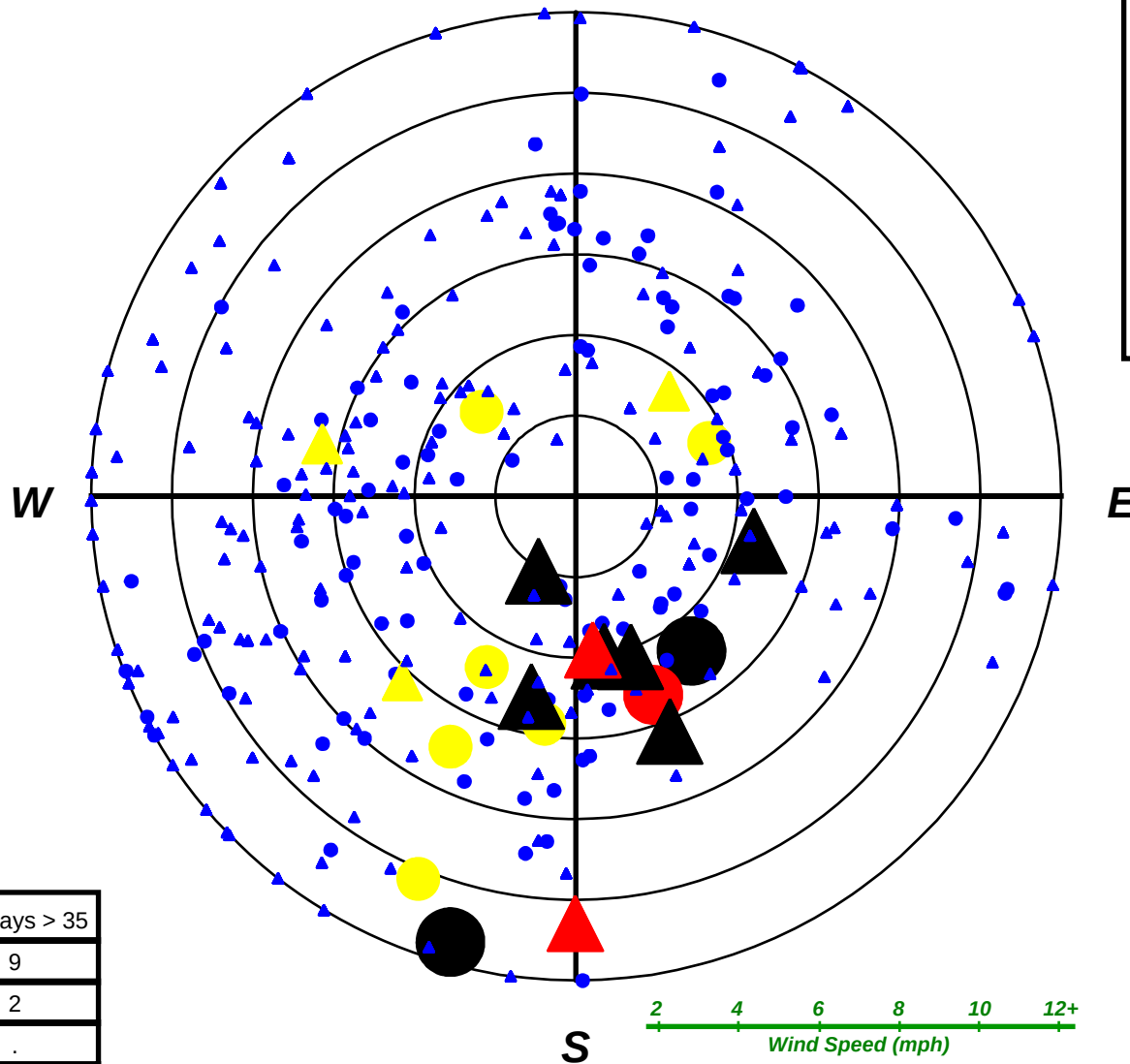
Year	98th %-ile	# days > 35
2005	51.8	16
2006	36.9	3
2007	34.3	1
Design Value	41-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.7 miles away
DETROIT_CITY_AIRPORT (ID=14822)

**Detroit-Ann Arbor, MI [Wayne County, MI]
Pollution Rose, 2005-2007**

Site 261630019



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	52.3	9
2006	36.2	2
2007	31.9	.
Design Value	40-NA	

All exceedances plotted

Meteorological data from 2.1 miles away
DETROIT_CITY_AIRPORT (ID=14822)

**Detroit-Ann Arbor, MI [Wayne County, MI]
Pollution Rose, 2005-2007**

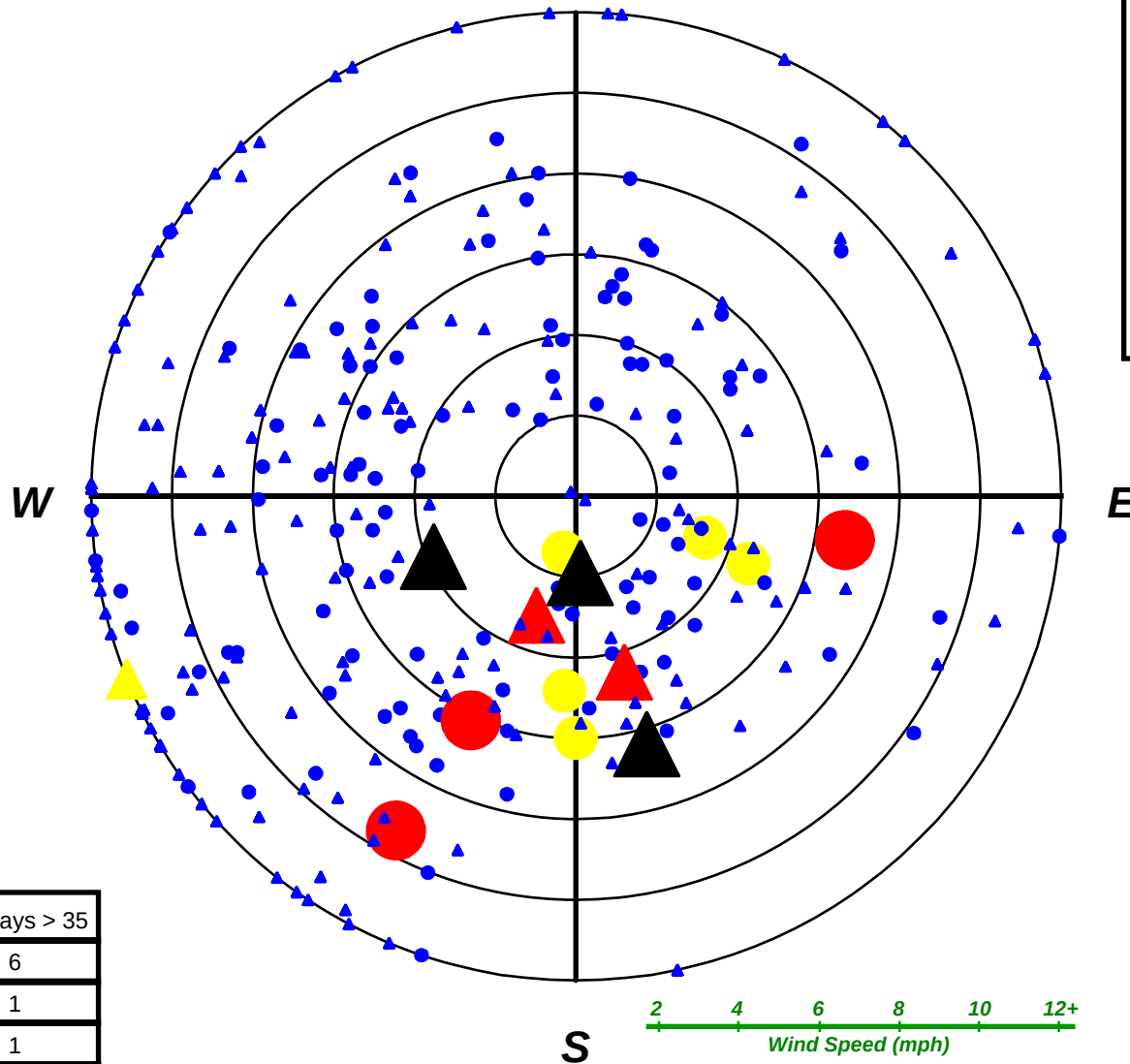
Site 261630025

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	40.2	6
2006	30.4	1
2007	32.8	1
Design Value	34-A	

All exceedances plotted

Meteorological data from 14.2 miles away
DETROIT_WILLOW_RUN_AP (ID=14853)

**Detroit-Ann Arbor, MI [Wayne County, MI]
Pollution Rose, 2005-2007**

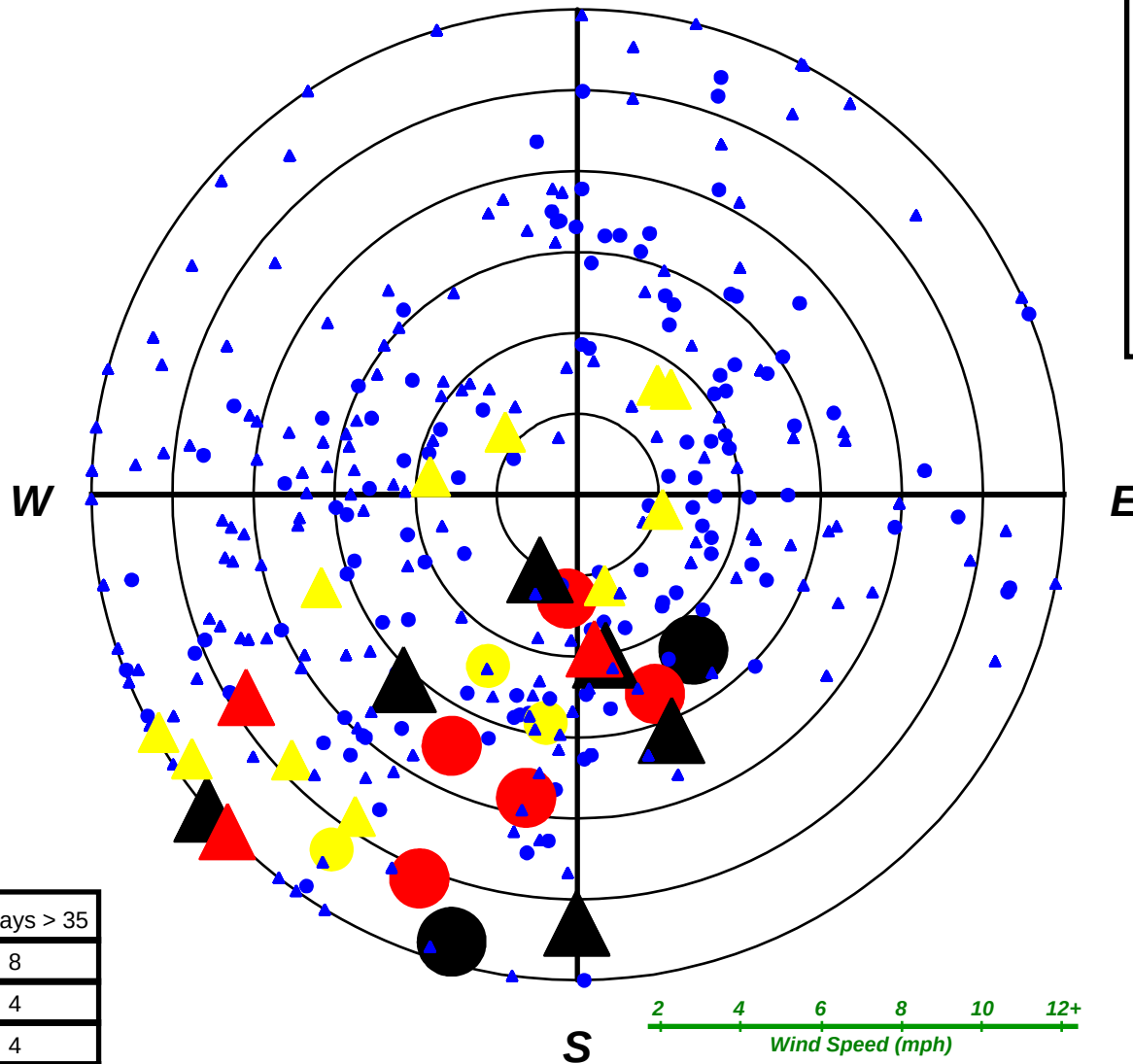
Site 261630033

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	50.2	8
2006	43.1	4
2007	36.6	4
Design Value	43-NA	

All exceedances plotted

Meteorological data from 10.0 miles away
DETROIT_CITY_AIRPORT (ID=14822)

**Detroit-Ann Arbor, MI [Wayne County, MI]
Pollution Rose, 2005-2007**

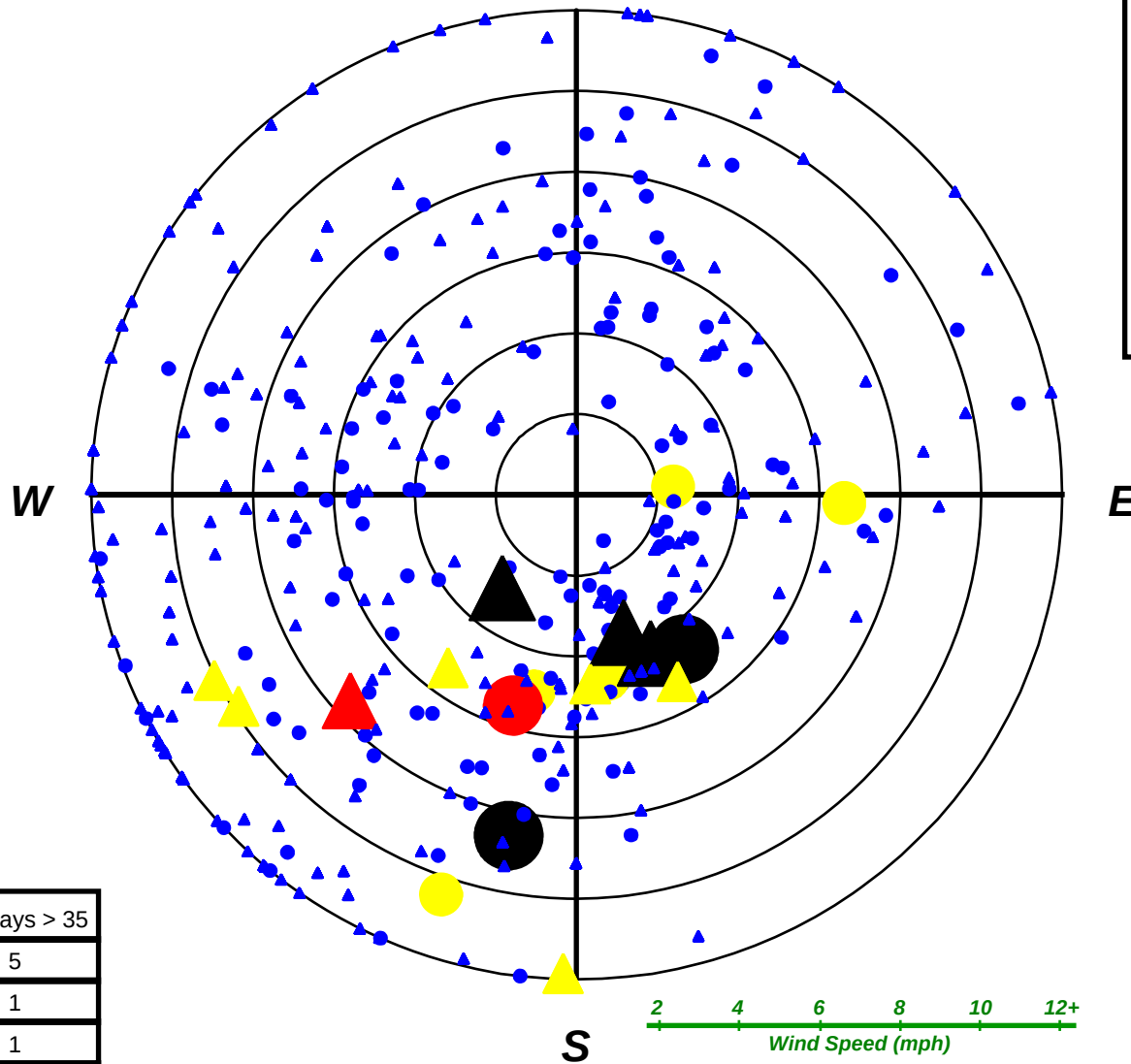
Site 261630036

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	46.7	5
2006	33.2	1
2007	28.6	1
Design Value	36-NA	

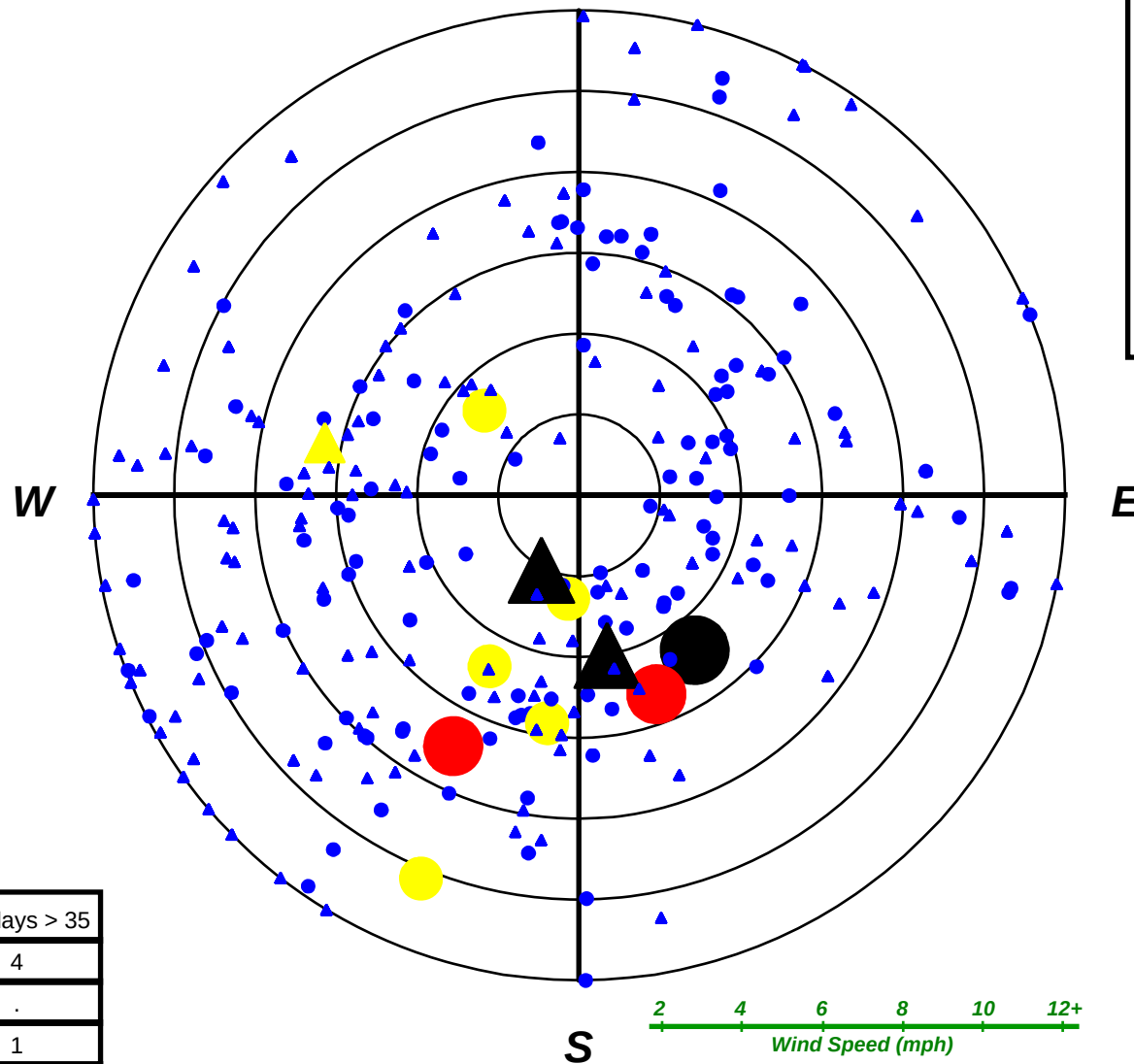
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 10.2 miles away
DETROIT_METROPOLITAN_ARPT (ID=94847)*

**Detroit-Ann Arbor, MI [Wayne County, MI]
Pollution Rose, 2005-2007**

Site 261630038



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

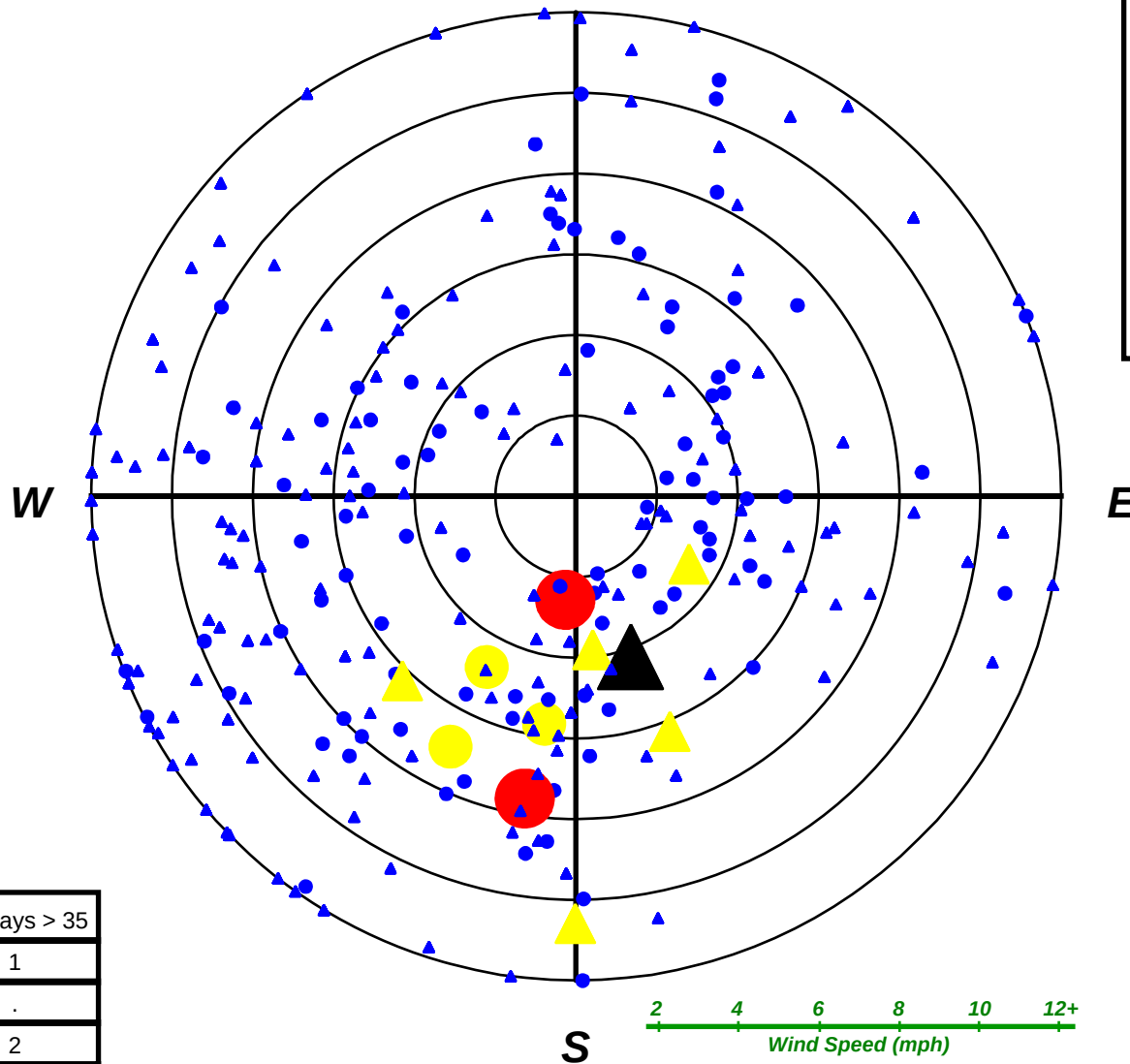
Year	98th %-ile	# days > 35
2005	57.5	4
2006	28.6	.
2007	33.4	1
Design Value	40-NA	

All exceedances plotted

Meteorological data from 7.2 miles away
DETROIT_CITY_AIRPORT (ID=14822)

**Detroit-Ann Arbor, MI [Wayne County, MI]
Pollution Rose, 2005-2007**

Site 261630039



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	43.9	1
2006	32.4	.
2007	34.8	2
Design Value	37-NA	

All exceedances plotted

Meteorological data from 6.3 miles away
DETROIT_CITY_AIRPORT (ID=14822)

Evansville, IN [Dubois County, IN]
Pollution Rose, 2005-2007

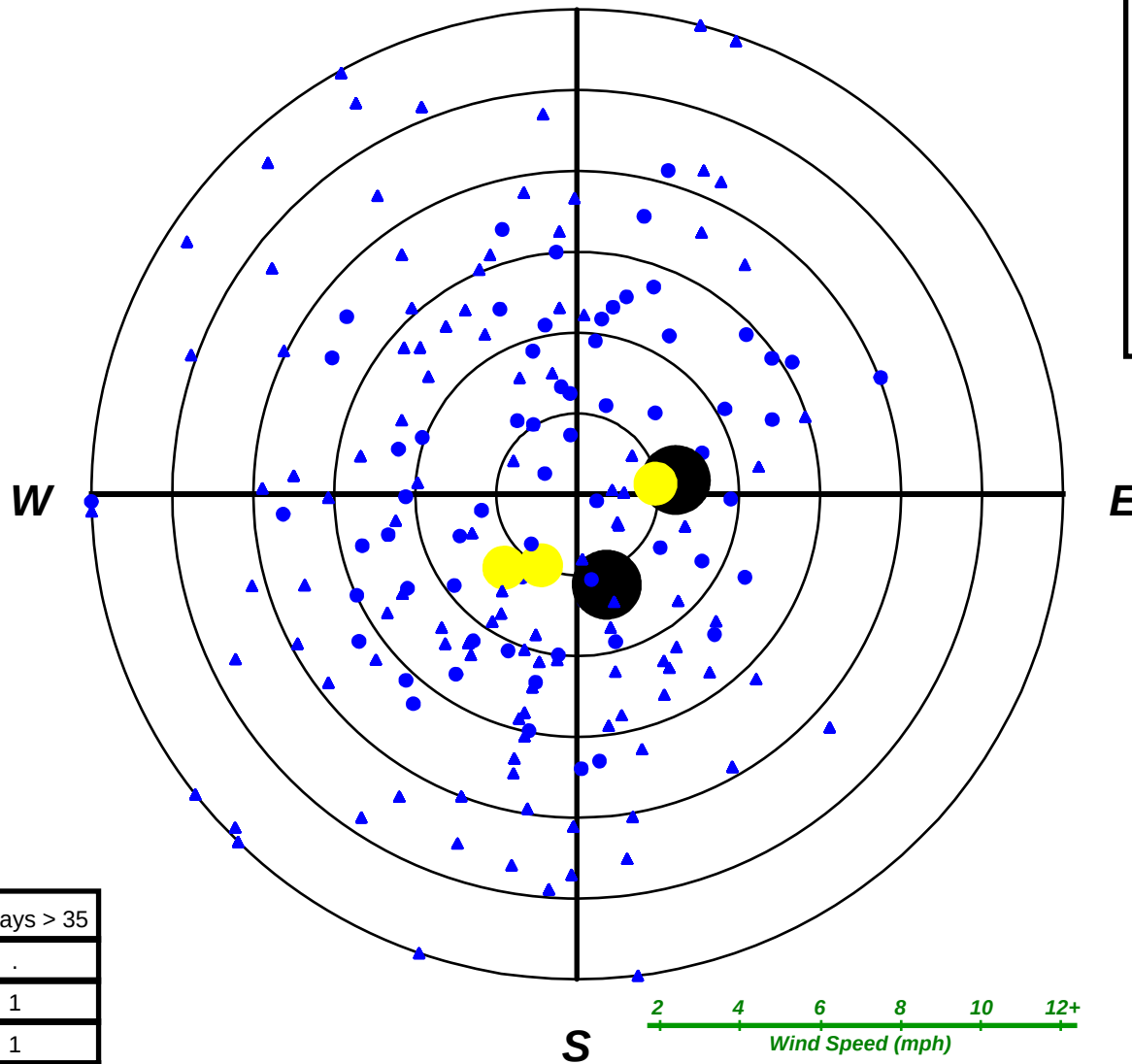
Site 180370004

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



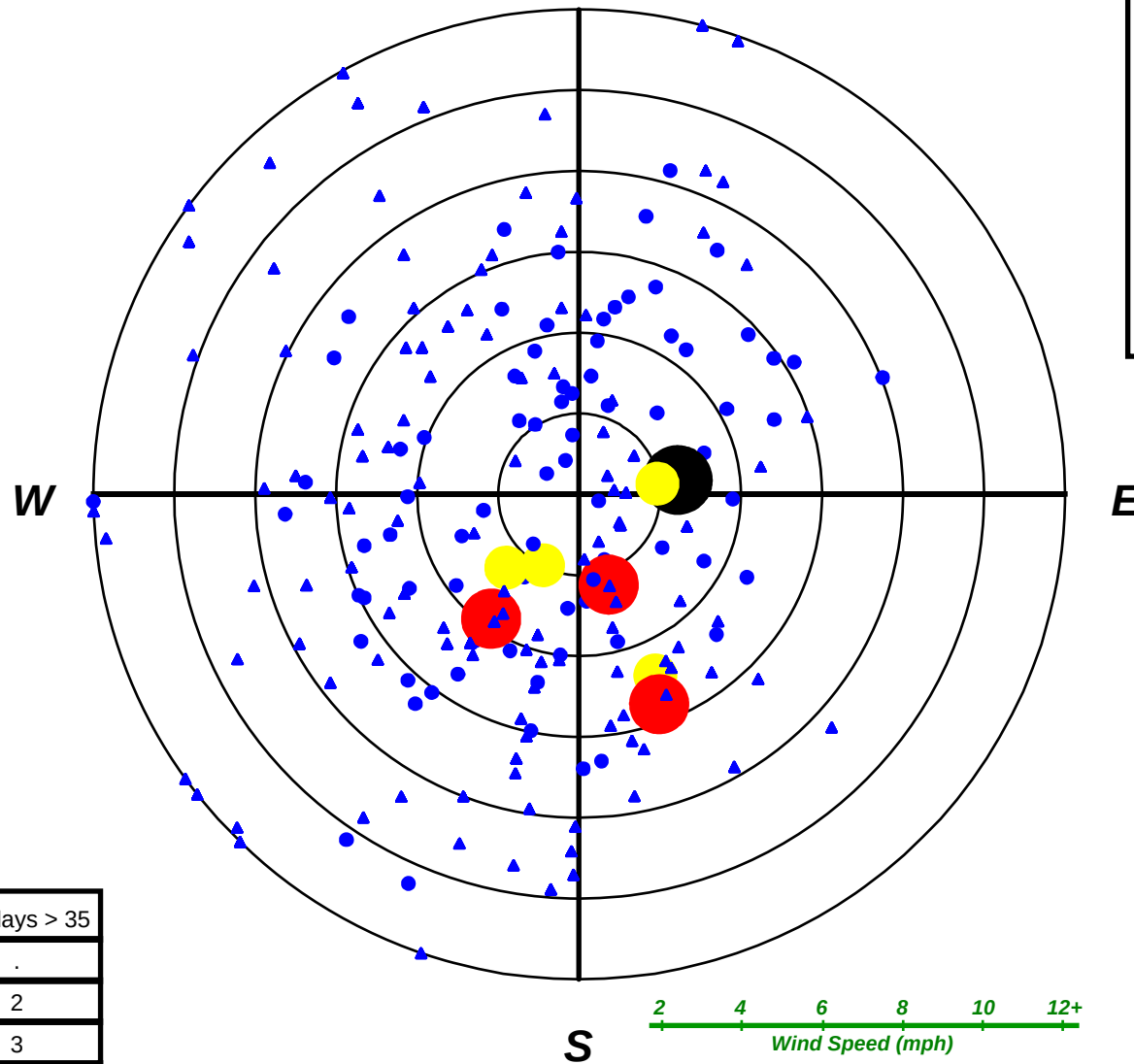
Year	98th %-ile	# days > 35
2005	.	.
2006	33.6	1
2007	35.2	1
Design Value	34-inc-a	

All exceedances plotted

Meteorological data from 38.2 miles away
EVANSVILLE_REGIONAL_AP (ID=93817)

Evansville, IN [Dubois County, IN]
Pollution Rose, 2005-2007

Site 180370005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	.	.
2006	32.2	2
2007	36.2	3
Design Value	34-inc-a	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 41.0 miles away
EVANSVILLE_REGIONAL_AP (ID=93817)

Evansville, IN [Dubois County, IN]
Pollution Rose, 2005-2007

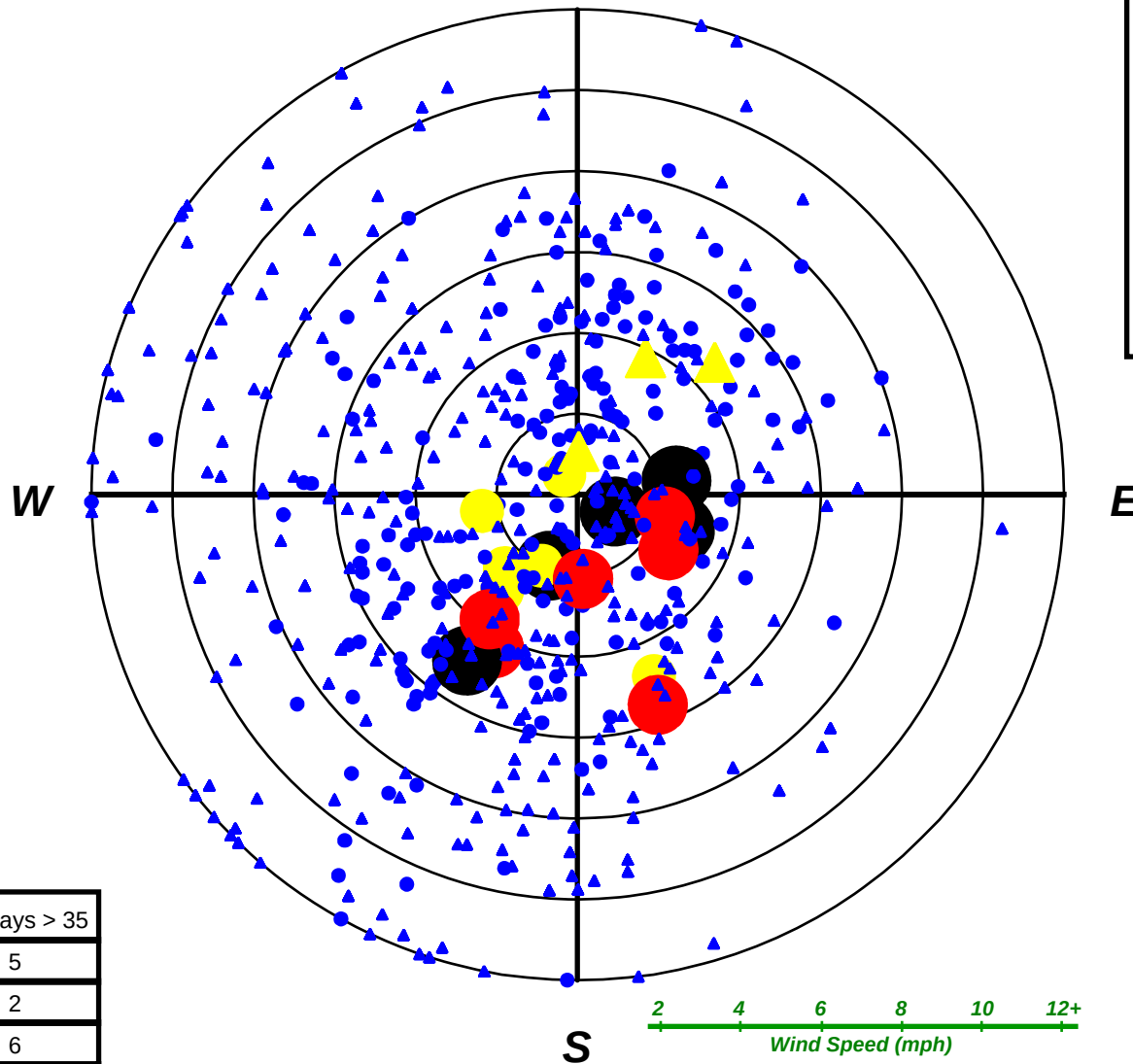
Site 180372001

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



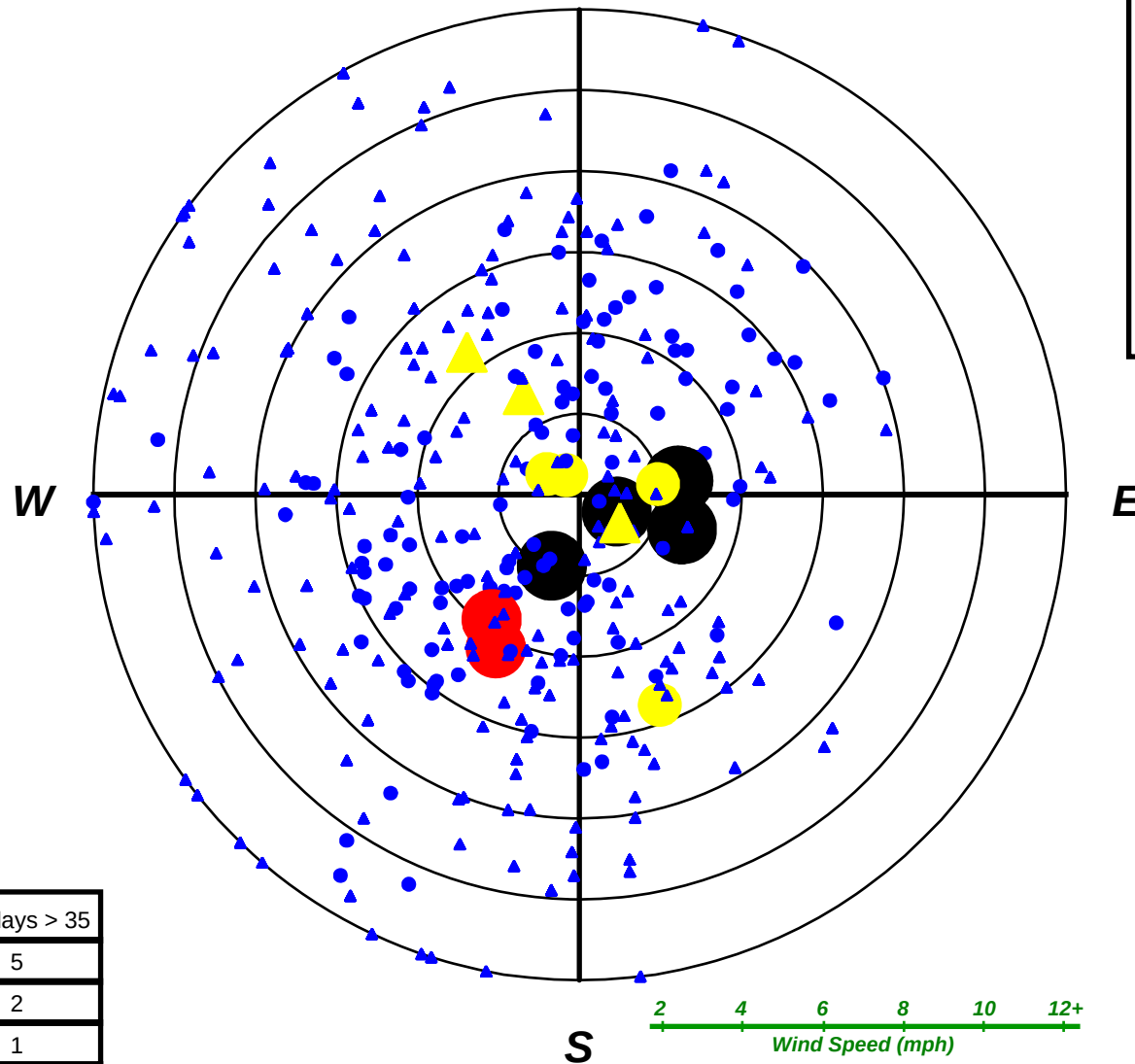
Year	98th %-ile	# days > 35
2005	41.2	5
2006	31.6	2
2007	34.7	6
Design Value	36-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 40.4 miles away
EVANSVILLE_REGIONAL_AP (ID=93817)

Evansville, IN [Vanderburgh County, IN]
Pollution Rose, 2005-2007

Site 181630006



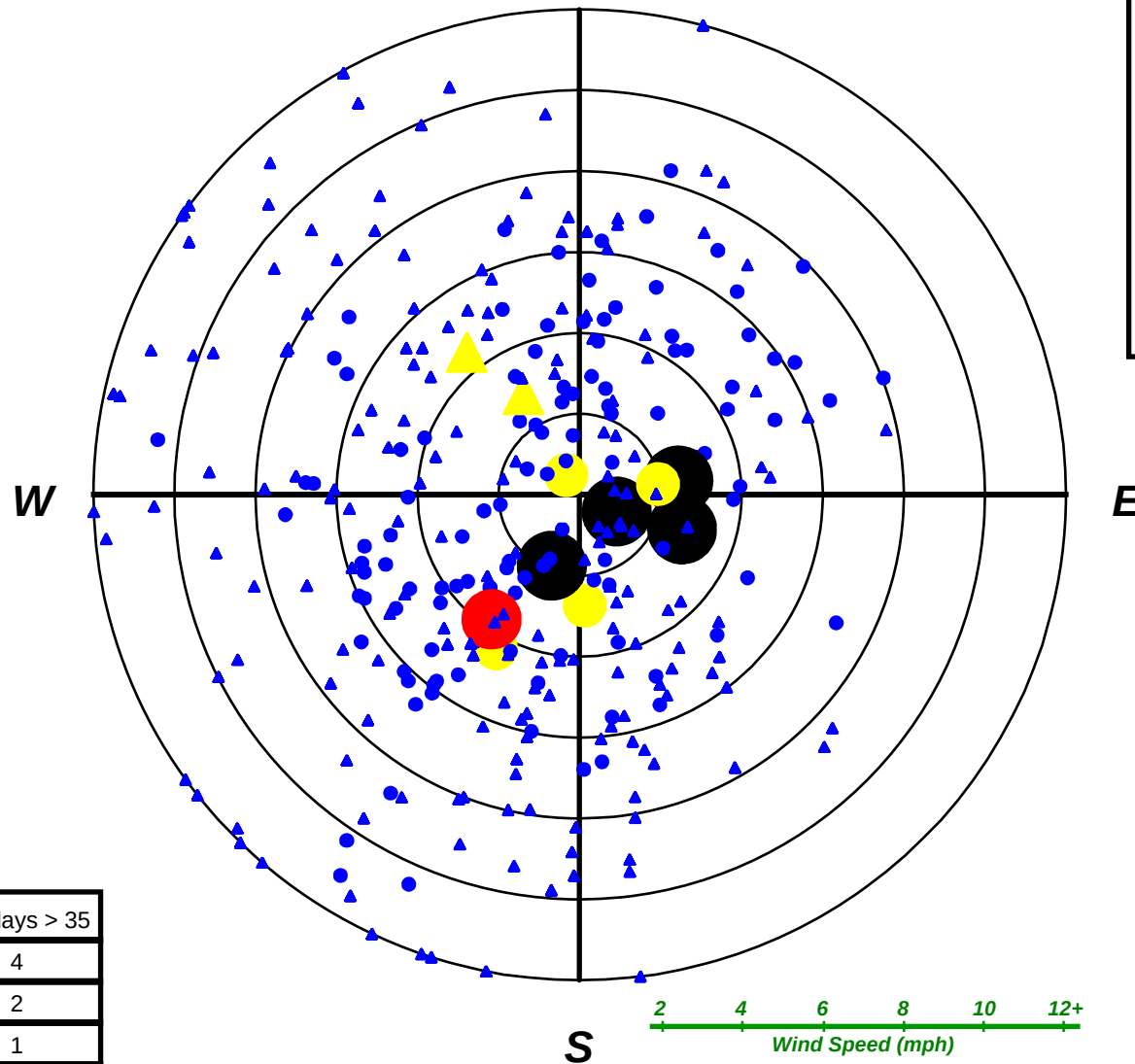
Year	98th %-ile	# days > 35
2005	42.5	5
2006	30.5	2
2007	33.6	1
Design Value	36-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.7 miles away
EVANSVILLE_REGIONAL_AP (ID=93817)

Evansville, IN [Vanderburgh County, IN]
Pollution Rose, 2005-2007

Site 181630012



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

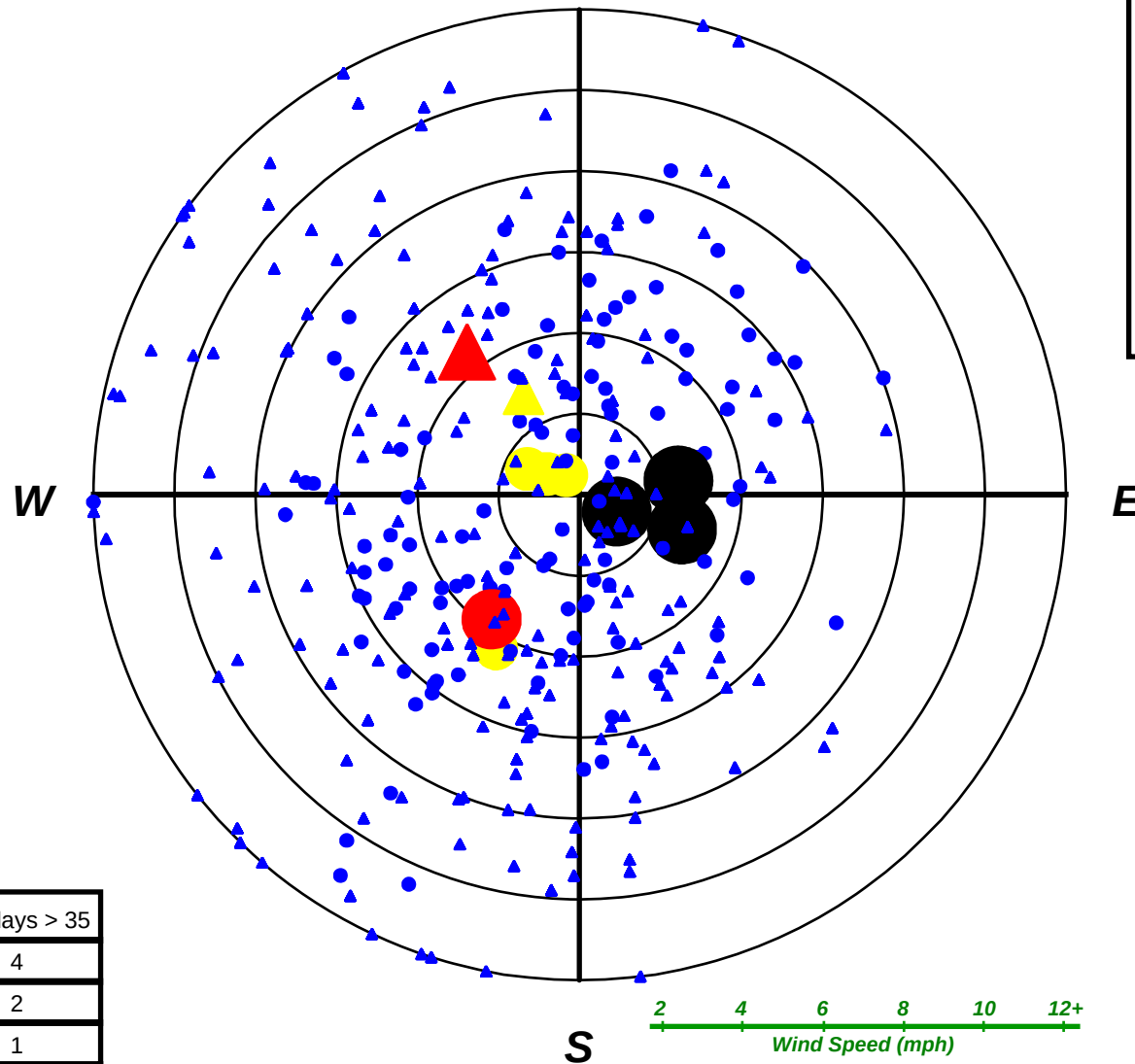
Year	98th %-ile	# days > 35
2005	41.5	4
2006	27.9	2
2007	29.9	1
Design Value	33-A	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.8 miles away
EVANSVILLE_REGIONAL_AP (ID=93817)

Evansville, IN [Vanderburgh County, IN]
Pollution Rose, 2005-2007

Site 181630016



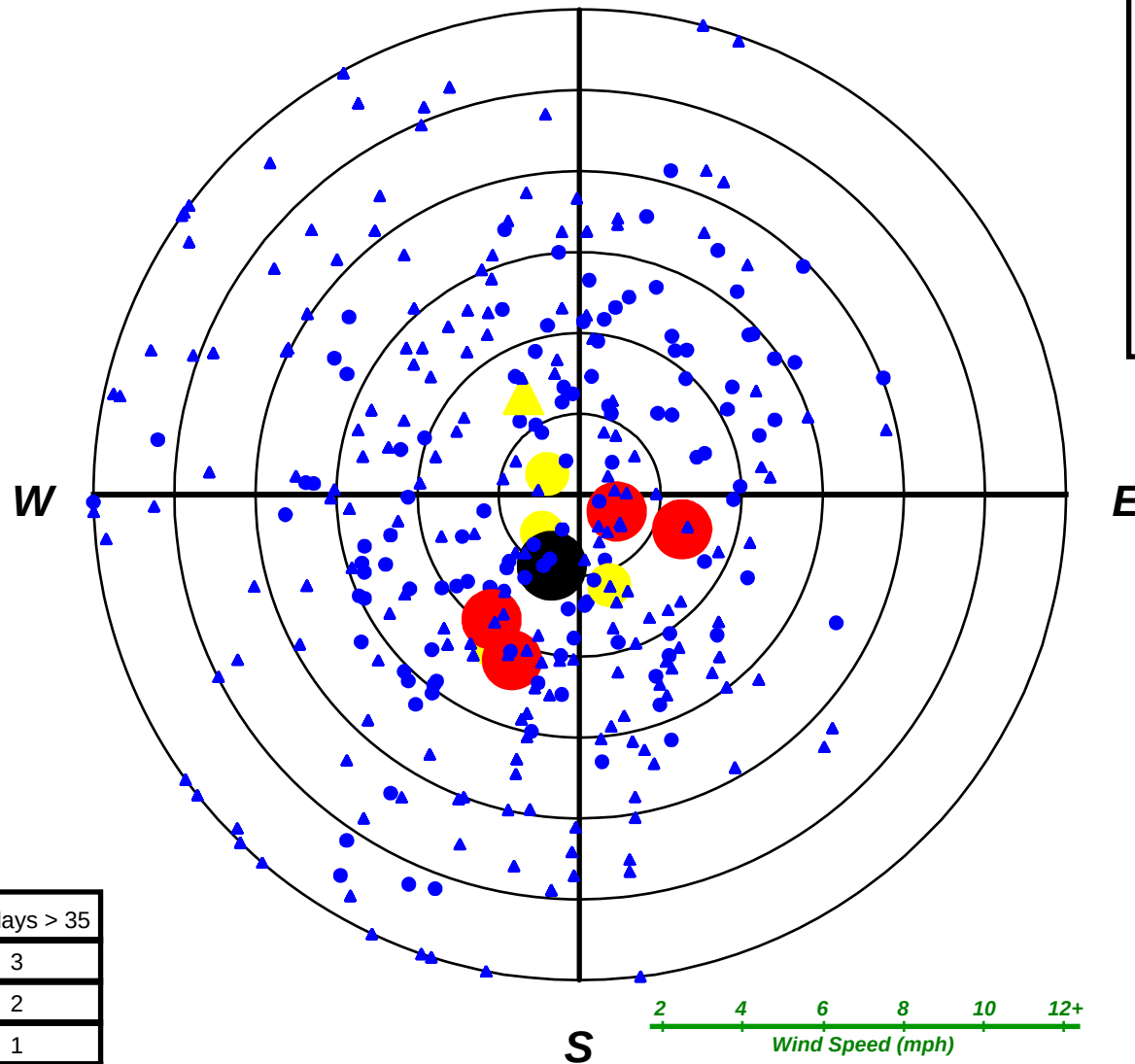
Year	98th %-ile	# days > 35
2005	37.0	4
2006	29.5	2
2007	31.5	1
Design Value	33-A	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.2 miles away
EVANSVILLE_REGIONAL_AP (ID=93817)

Evansville, IN [Henderson County, KY]
Pollution Rose, 2005-2007

Site 211010014



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

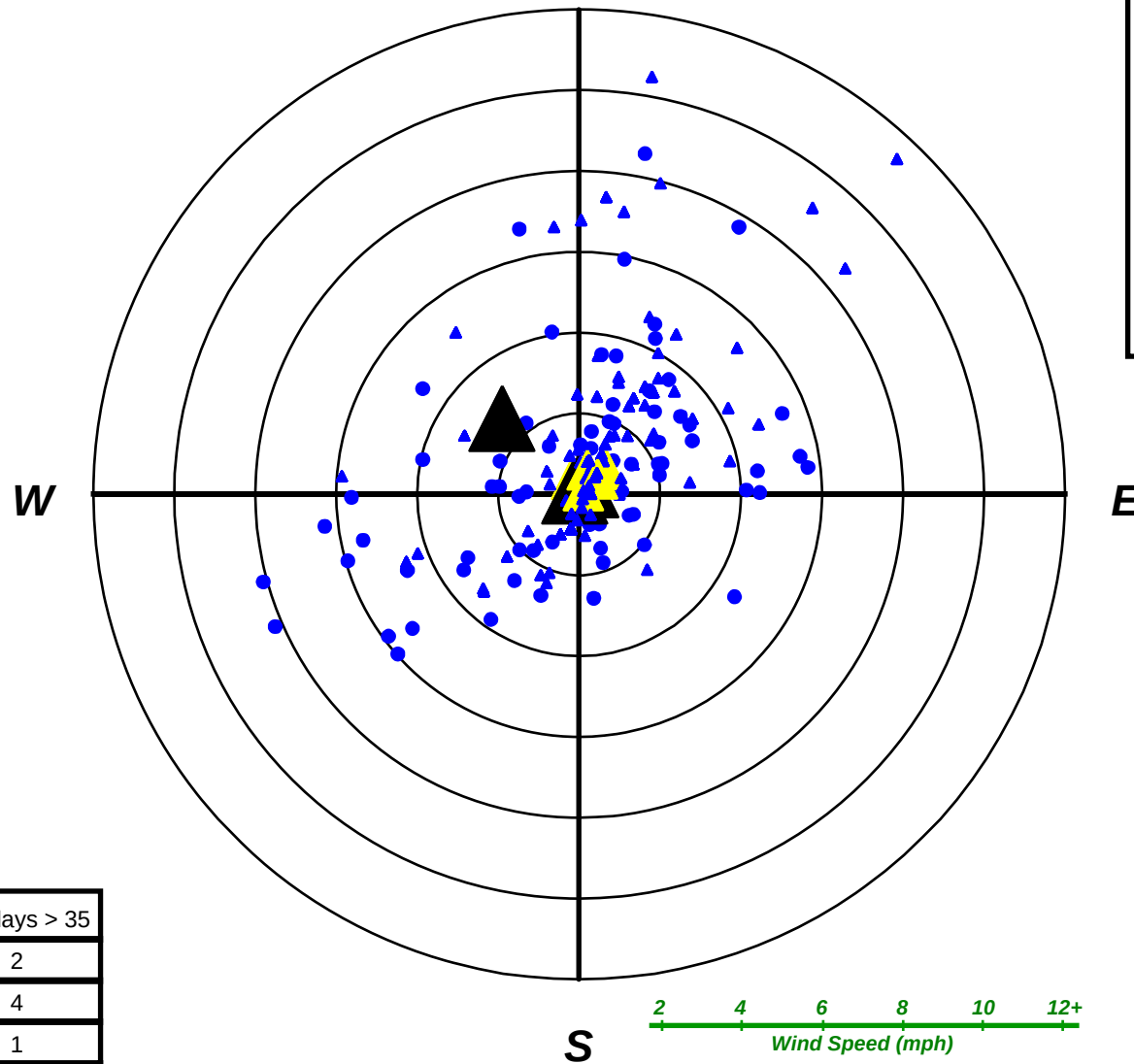
Year	98th %-ile	# days > 35
2005	36.7	3
2006	28.9	2
2007	31.4	1
Design Value	32-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 12.9 miles away
EVANSVILLE_REGIONAL_AP (ID=93817)

**Fairbanks, AK [Fairbanks North Star County, AK]
Pollution Rose, 2005-2007**

Site 020900010



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

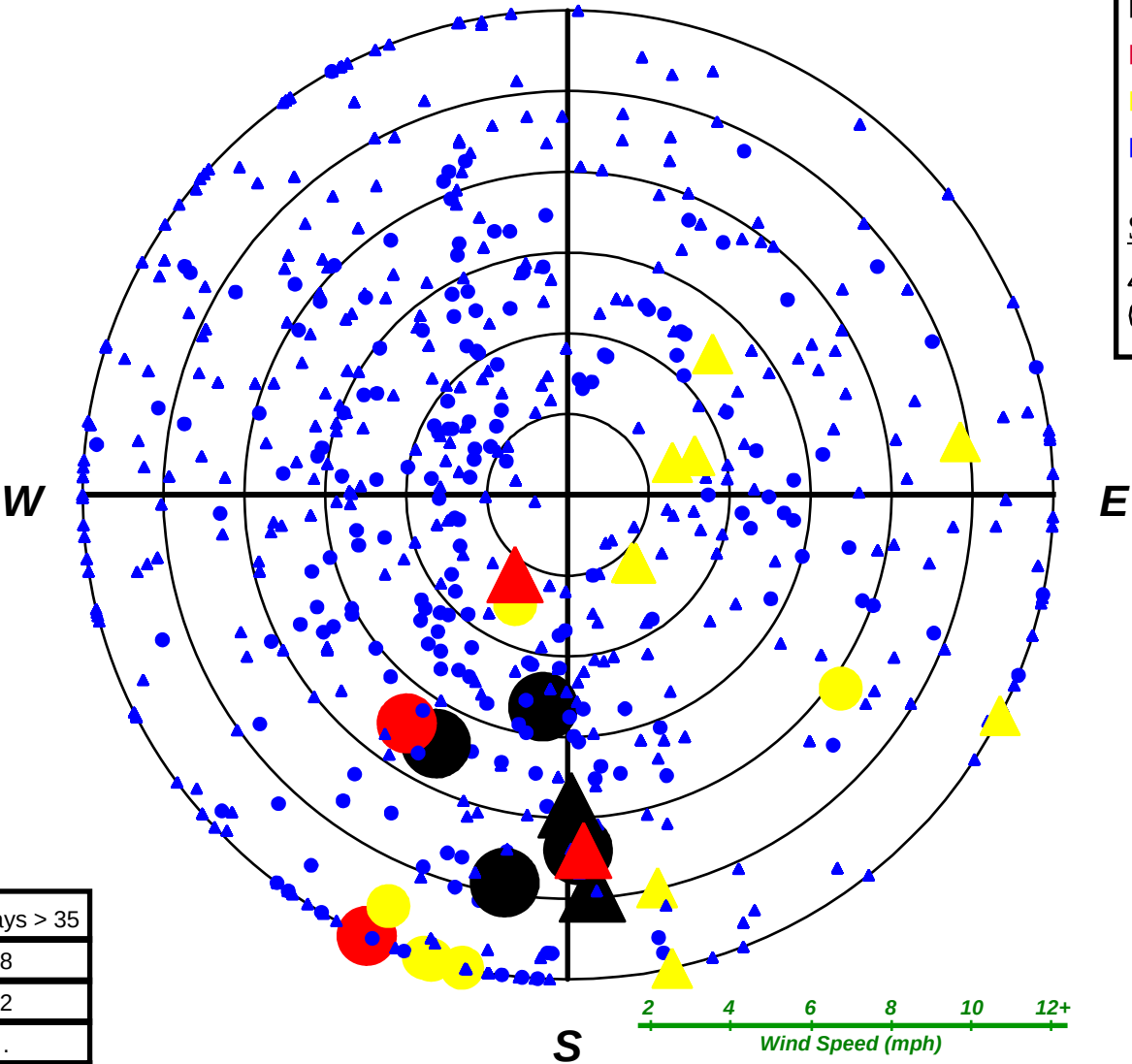
Year	98th %-ile	# days > 35
2005	40.6	2
2006	42.2	4
2007	33.1	1
Design Value	39-NA	

4 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 4.2 miles away
FAIRBANKS_INTL_ARPT (ID=26411)

Grand Rapids, MI [Allegan County, MI]
Pollution Rose, 2005-2007

Site 260050003



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	36.1	8
2006	34.1	2
2007	31.7	.
Design Value	34-A	

All exceedances plotted

Meteorological data from 27.9 miles away
MUSKEGON_COUNTY_ARPT (ID=14840)

Grand Rapids, MI [Kent County, MI]
Pollution Rose, 2005-2007

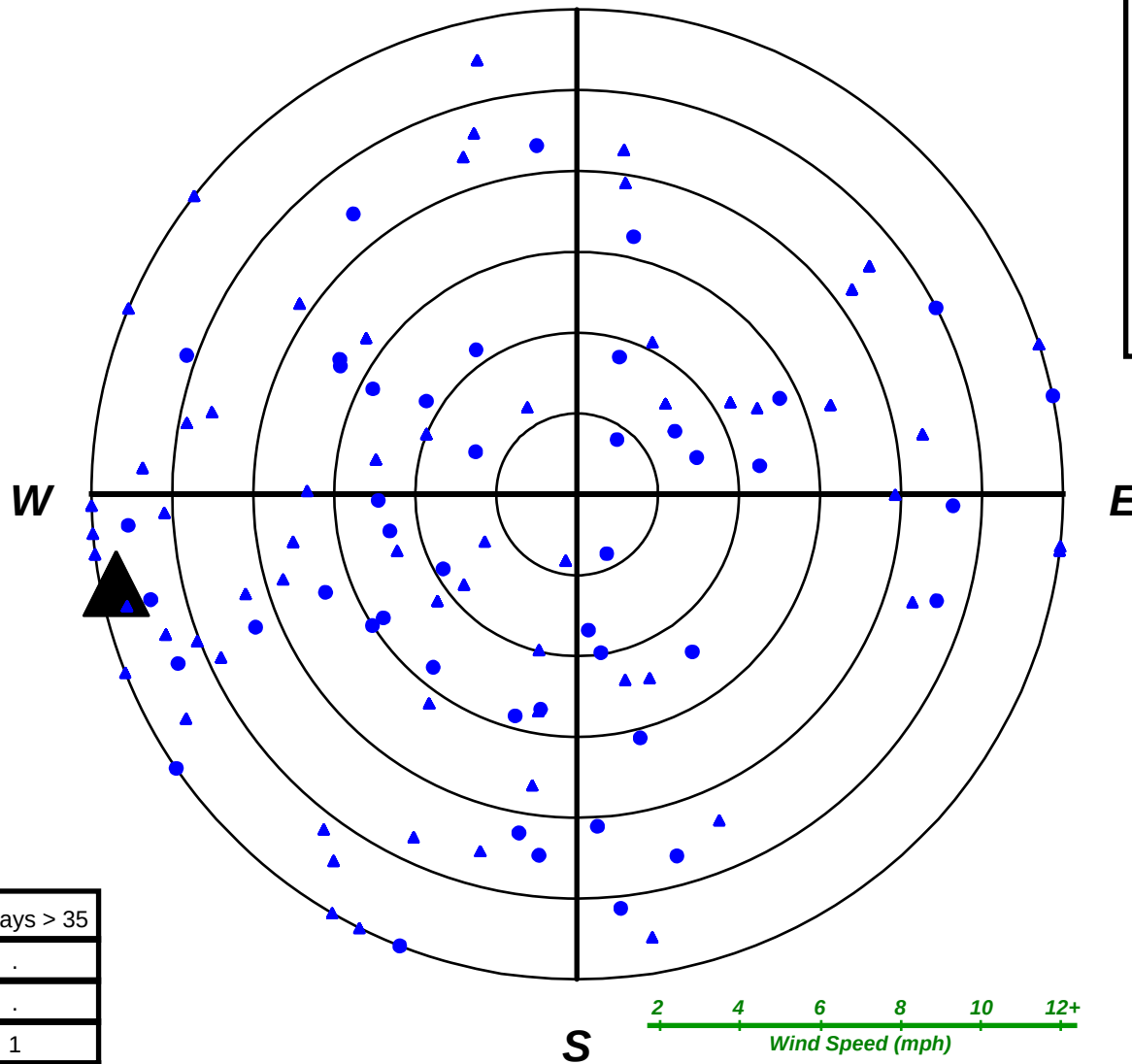
Site 260810007

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	29.7	1
Design Value	30-inc-a	

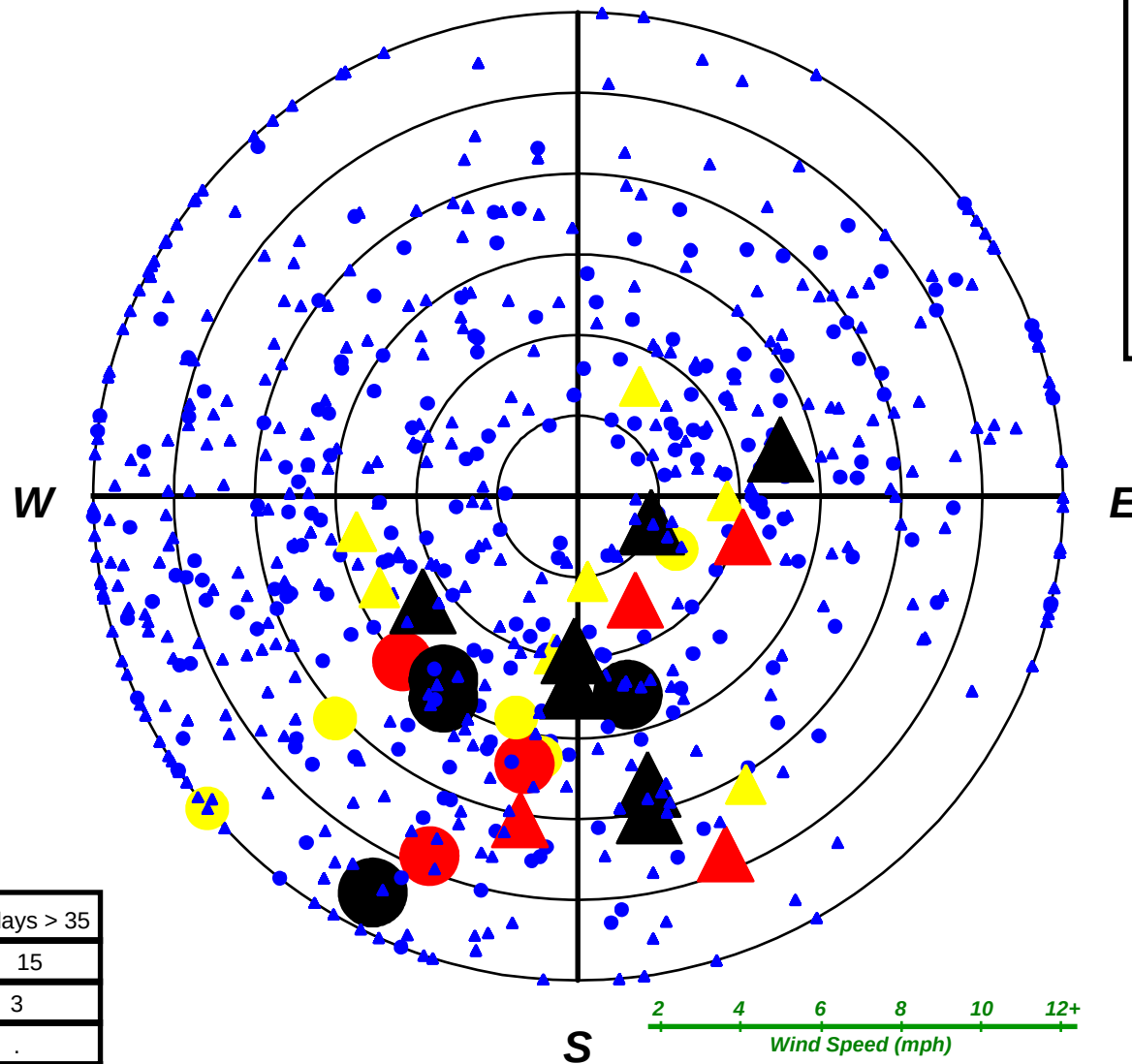
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 9.6 miles away
GRAND RAPIDS KENT COUNTY INT' (ID=94860)

Grand Rapids, MI [Kent County, MI]
Pollution Rose, 2005-2007

Site 260810020



Year	98th %-ile	# days > 35
2005	44.7	15
2006	33.2	3
2007	29.7	.
Design Value	36-NA	

All exceedances plotted

Meteorological data from 10.5 miles away
GRAND RAPIDS KENT COUNTY INT' (ID=94860)

Grand Rapids, MI [Muskegon County, MI]
Pollution Rose, 2005-2007

Site 261210040

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

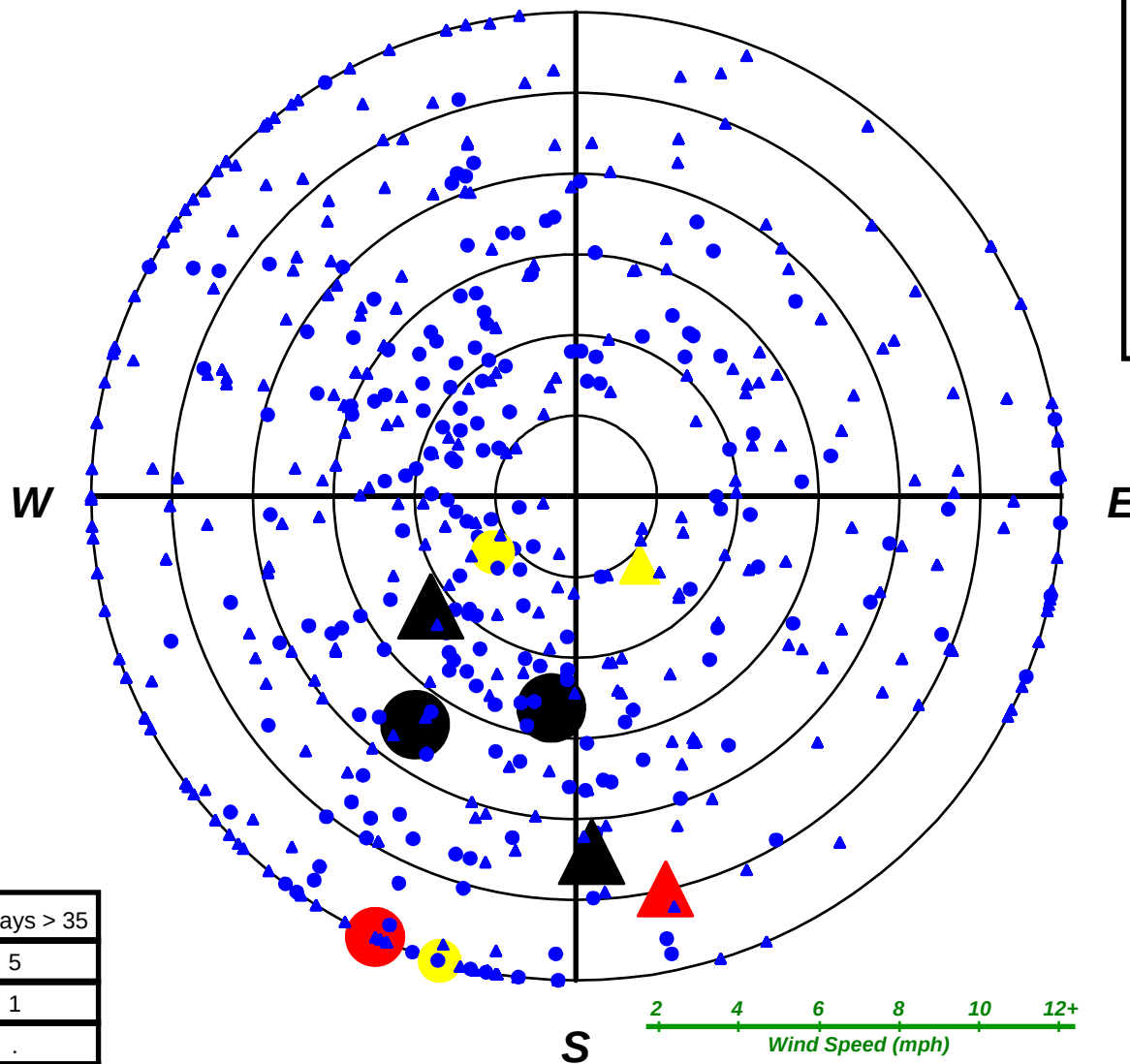
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	41.0	5
2006	29.8	1
2007	28.1	.
Design Value	33-A	

All exceedances plotted

Meteorological data from 4.6 miles away
MUSKEGON_COUNTY_ARPT (ID=14840)

Grand Rapids, MI [Ottawa County, MI]
Pollution Rose, 2005-2007

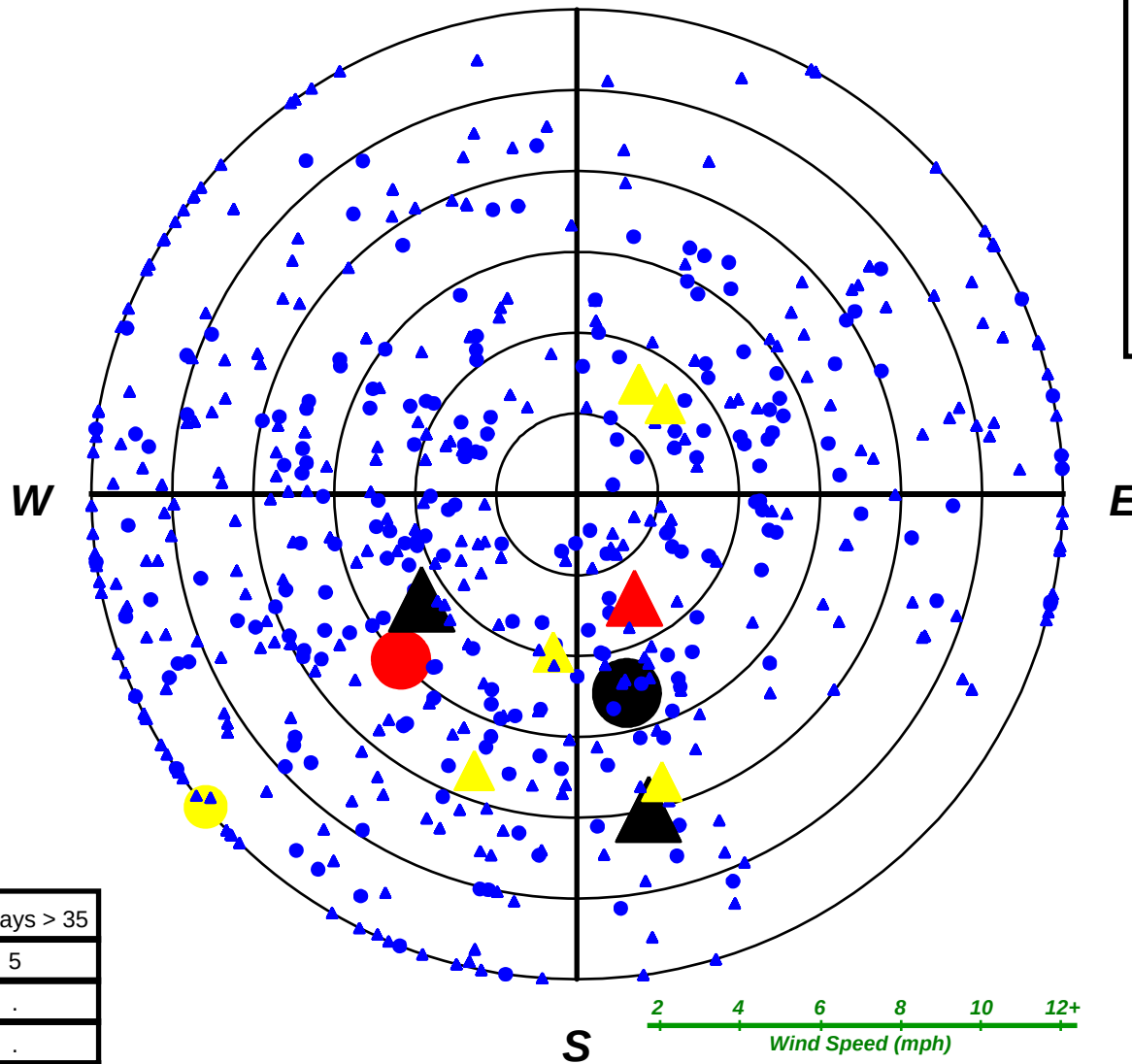
Site 261390005

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	42.3	5
2006	30.2	.
2007	28.1	.
Design Value	34-A	

All exceedances plotted

Meteorological data from 17.0 miles away
GRAND RAPIDS_KENT_COUNTY_INT' (ID=94860)

Green Bay, WI [Brown County, WI]
Pollution Rose, 2005-2007

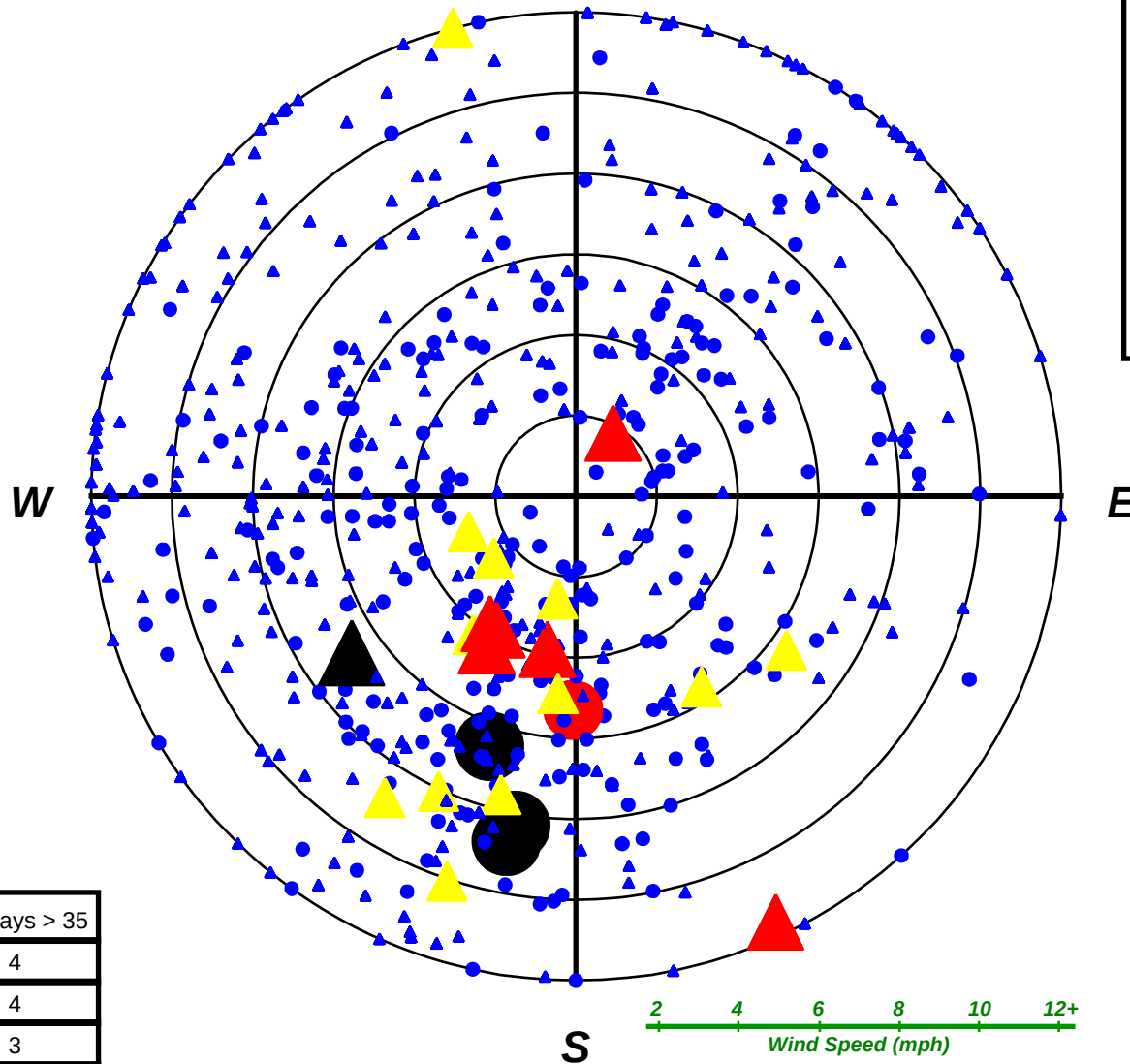
Site 550090005

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	41.5	4
2006	36.9	4
2007	32.7	3
Design Value	37-NA	

All exceedances plotted

Meteorological data from 7.2 miles away
GREEN_BAY_AUSTIN_STRAUBEL_INT (ID=14898)

Green Bay, WI [Brown County, WI]
Pollution Rose, 2005-2007

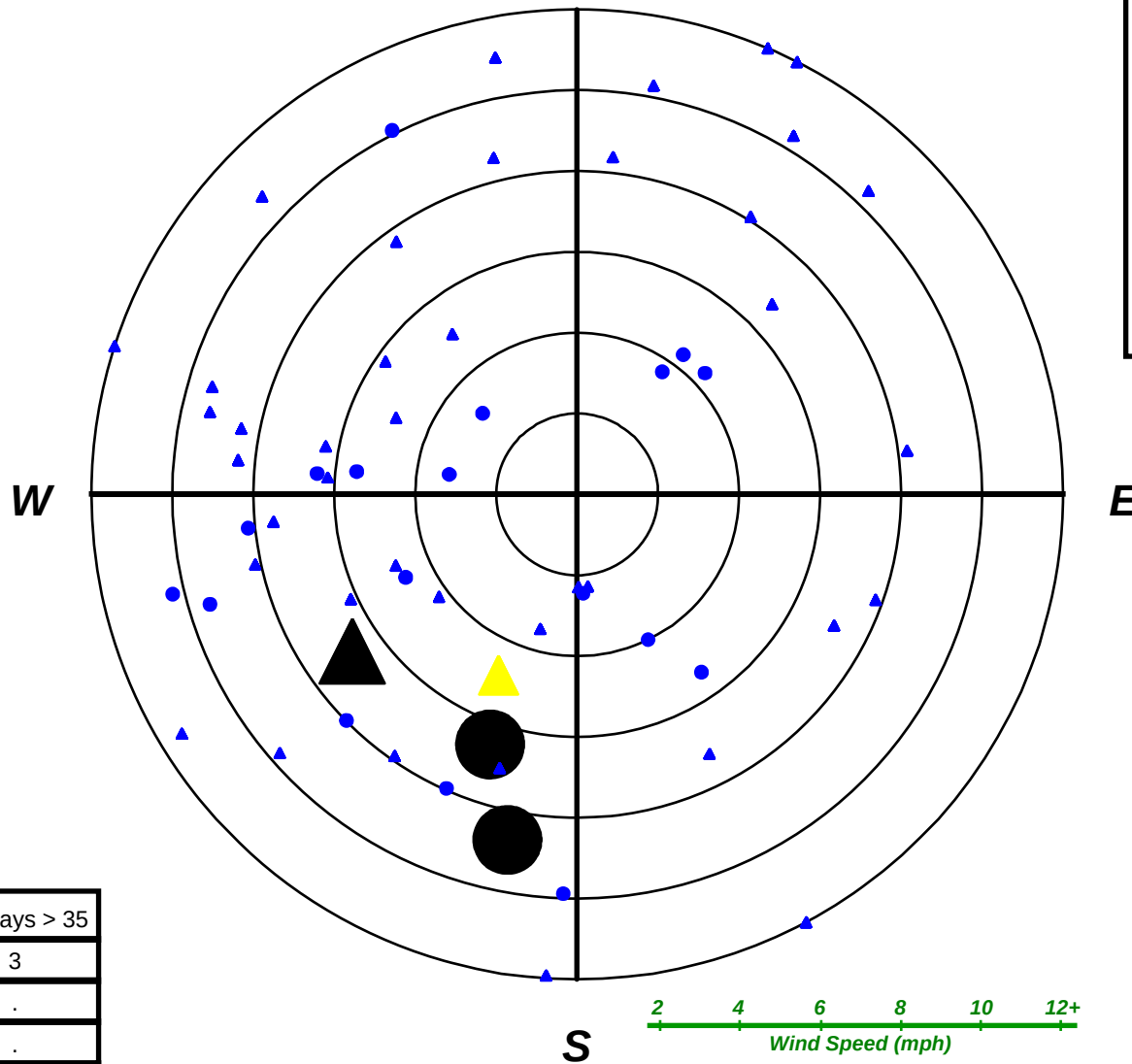
Site 550090009

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



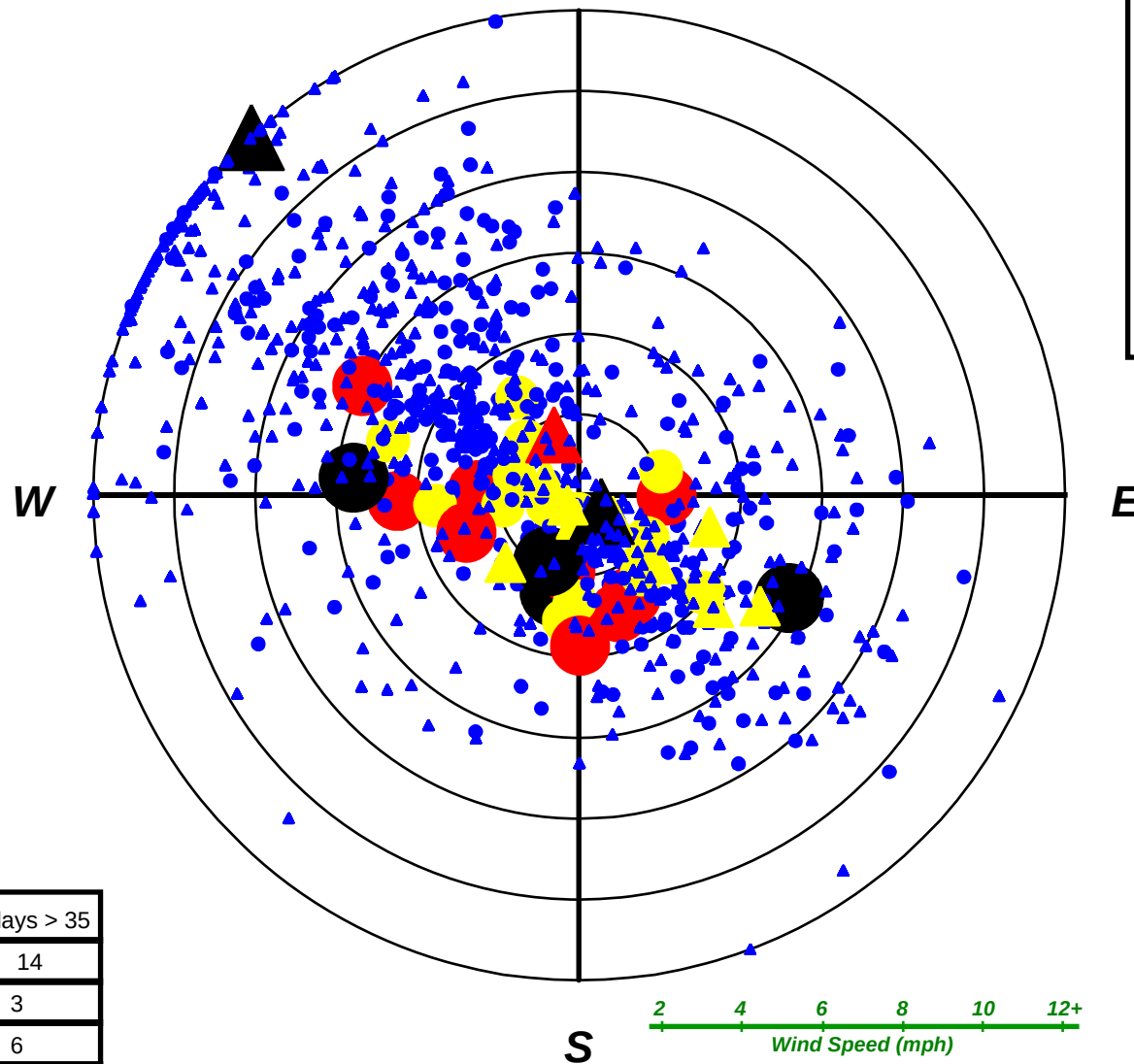
Year	98th %-ile	# days > 35
2005	44.3	3
2006	32.8	.
2007	.	.
Design Value	39-inc-na	

All exceedances plotted

Meteorological data from 7.1 miles away
GREEN_BAY_AUSTIN_STRAUBEL_INT (ID=14898)

Harrisburg-Lebanon-Carlisle, PA [Cumberland County, PA]
Pollution Rose, 2005-2007

Site 420410101



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

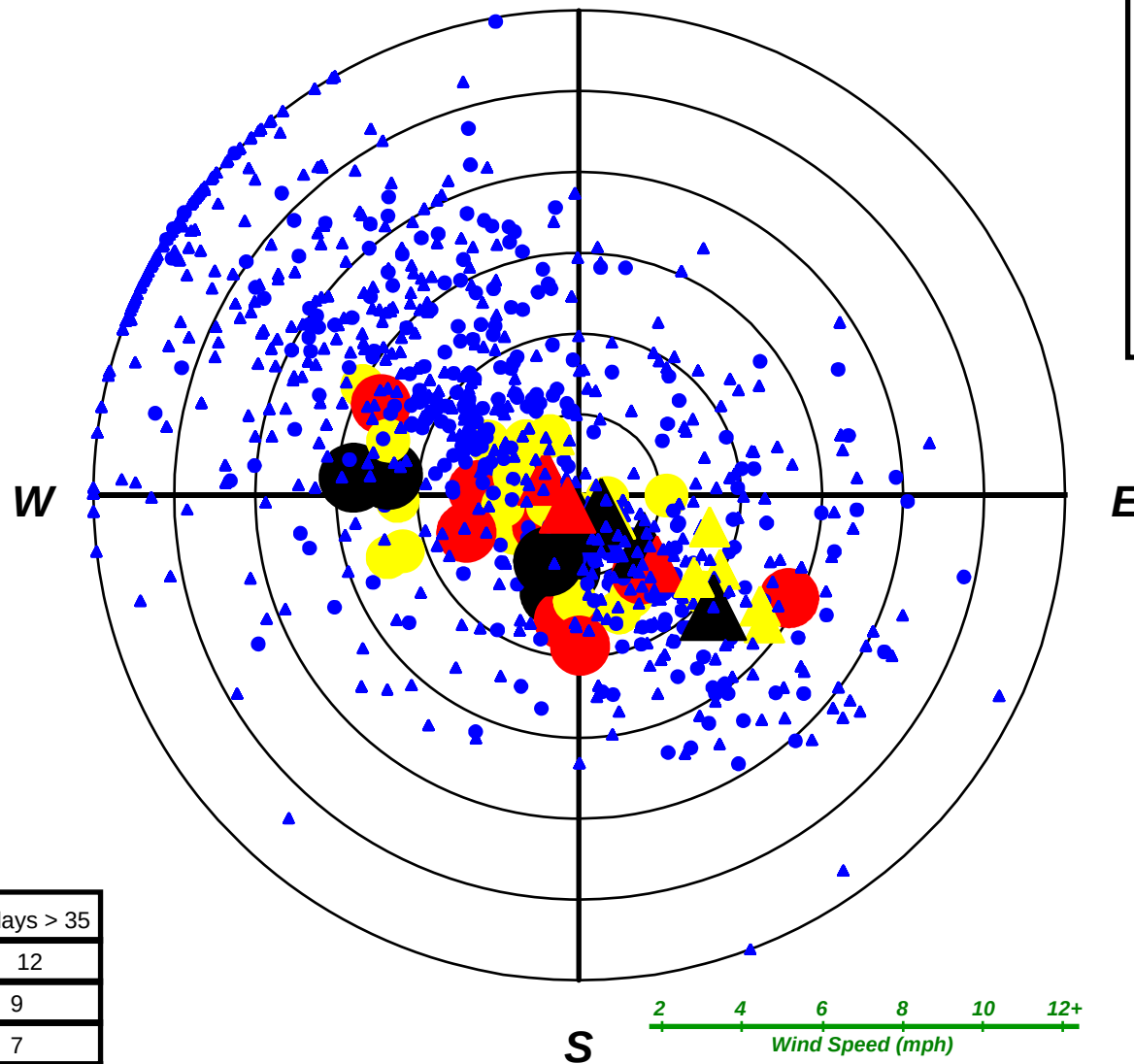
Year	98th %-ile	# days > 35
2005	40.1	14
2006	33.3	3
2007	35.3	6
Design Value	36-NA	

7 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 22.4 miles away
MIDDLETOWN_HARRISBURG_INTL_AP (ID=14711)

Harrisburg-Lebanon-Carlisle, PA [Dauphin County, PA]
Pollution Rose, 2005-2007

Site 420430401



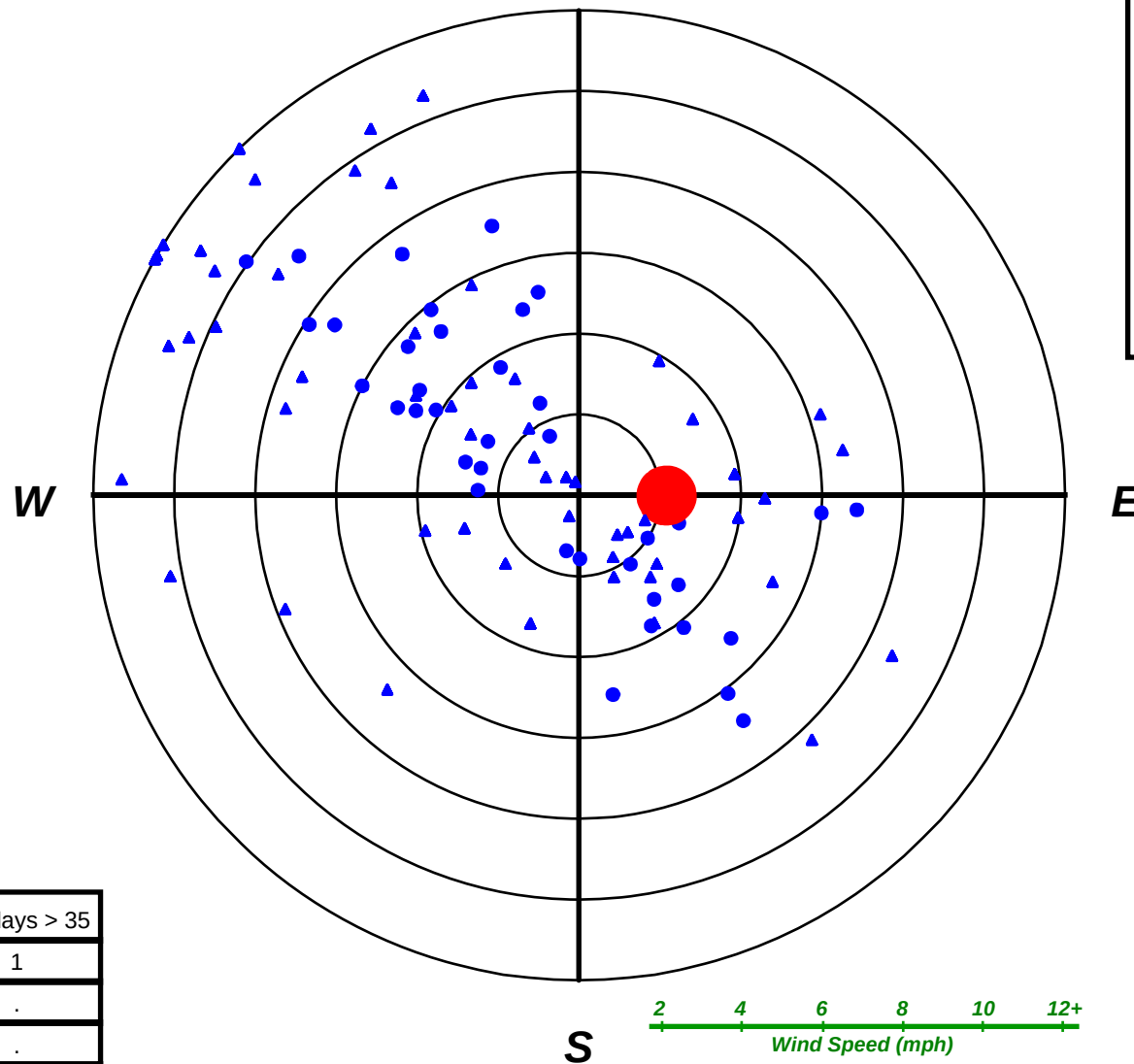
Year	98th %-ile	# days > 35
2005	40.1	12
2006	37.0	9
2007	35.6	7
Design Value	38-NA	

8 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.1 miles away
MIDDLETOWN_HARRISBURG_INTL_AP (ID=14711)

Harrisburg-Lebanon-Carlisle, PA [Perry County, PA]
Pollution Rose, 2005-2007

Site 420990301



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	29.0	1
2006	.	.
2007	.	.
Design Value	29-inc-a	

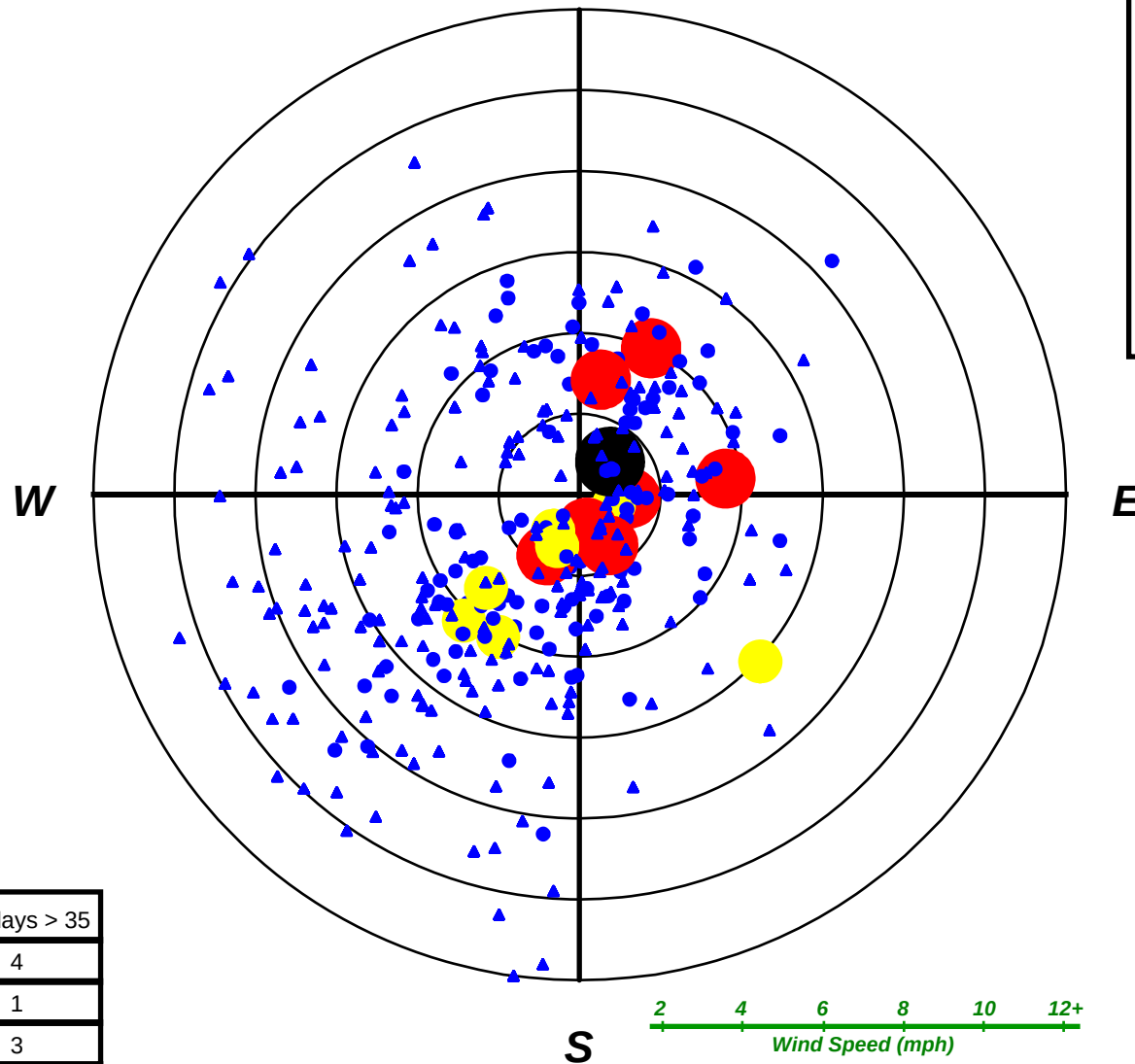
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 27.5 miles away
MIDDLETOWN_HARRISBURG_INTL_AP (ID=14711)

Huntington-Ashland, WV-KY-OH [Boyd County, KY]
Pollution Rose, 2005-2007

Site 210190017



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	36.1	4
2006	28.6	1
2007	38.5	3
Design Value	34-A	

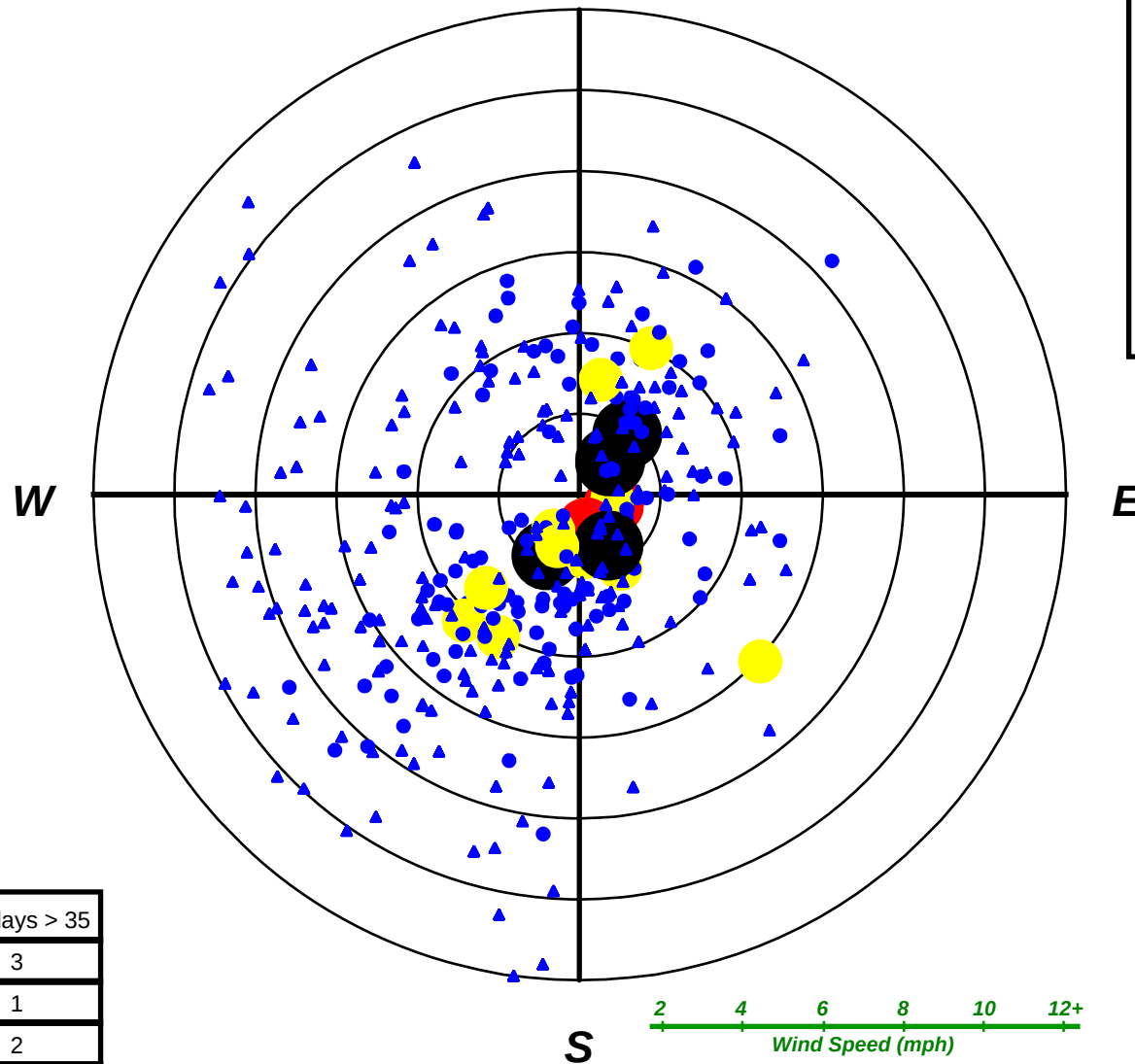
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 7.2 miles away
HUNTINGTON_TRI-STATE_ARPT (ID= 3860)

Huntington-Ashland, WV-KY-OH [Lawrence County, OH]
Pollution Rose, 2005-2007

Site 390870010



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

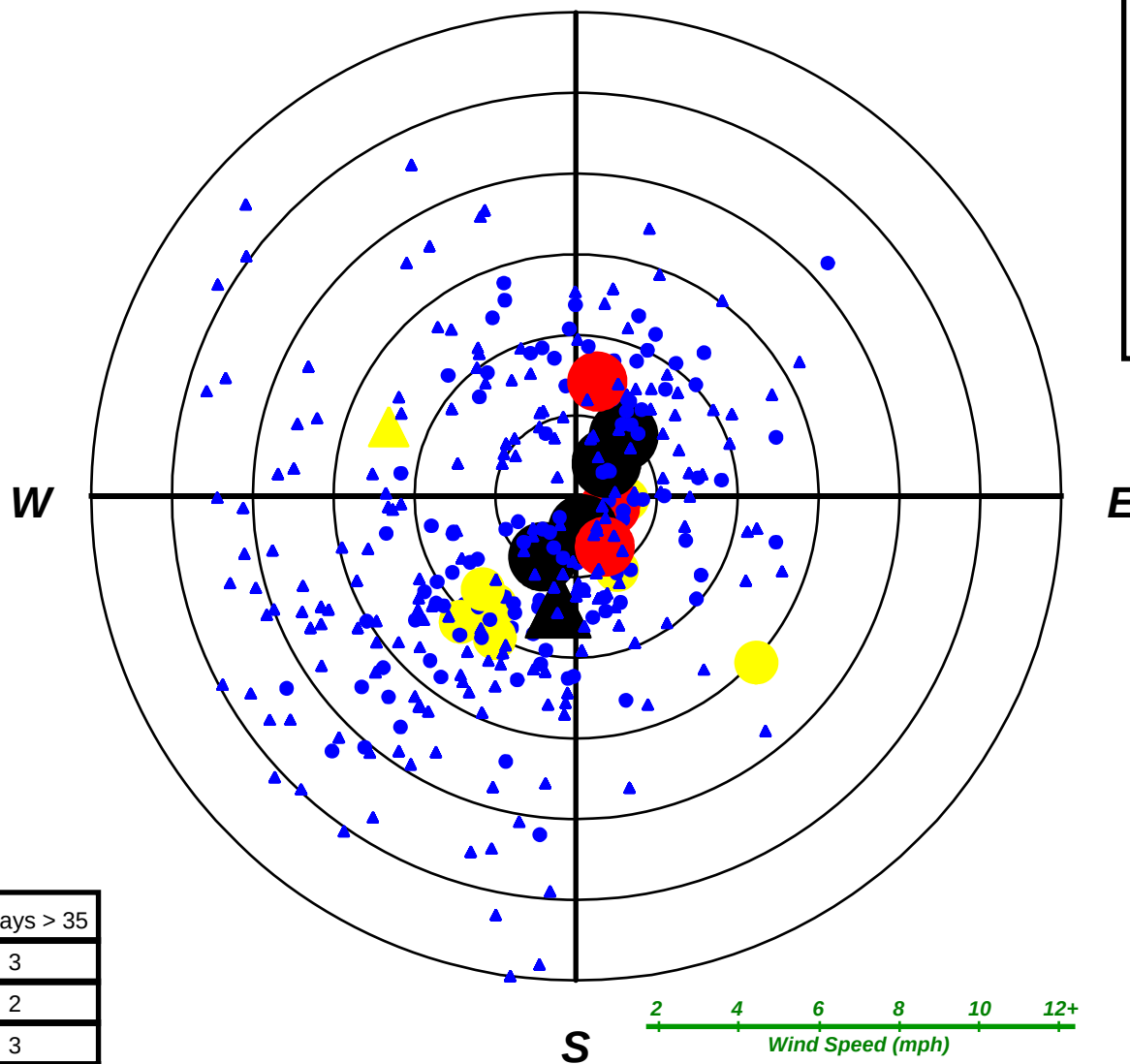
Year	98th %-ile	# days > 35
2005	38.5	3
2006	30.8	1
2007	35.2	2
Design Value	35-A	

All exceedances plotted

Meteorological data from 11.3 miles away
HUNTINGTON_TRI-STATE_ARPT (ID= 3860)

Huntington-Ashland, WV-KY-OH [Scioto County, OH]
Pollution Rose, 2005-2007

Site 391450013



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	40.3	3
2006	30.5	2
2007	37.5	3
Design Value	36-NA	

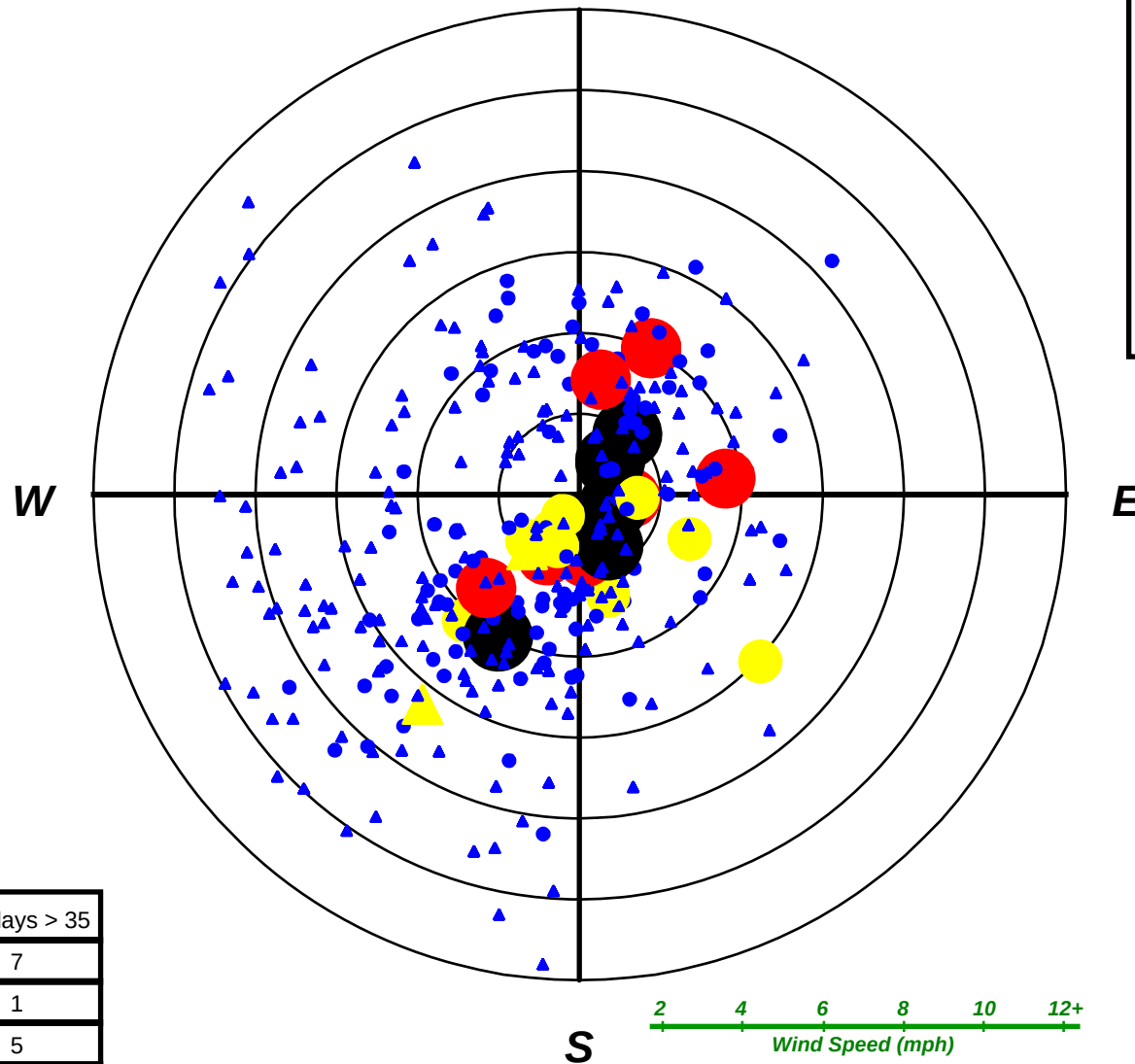
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 32.4 miles away
HUNTINGTON_TRI-STATE_ARPT (ID= 3860)

Huntington-Ashland, WV-KY-OH [Cabell County, WV]
Pollution Rose, 2005-2007

Site 540110006



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	40.5	7
2006	30.1	1
2007	39.4	5
Design Value	37-NA	

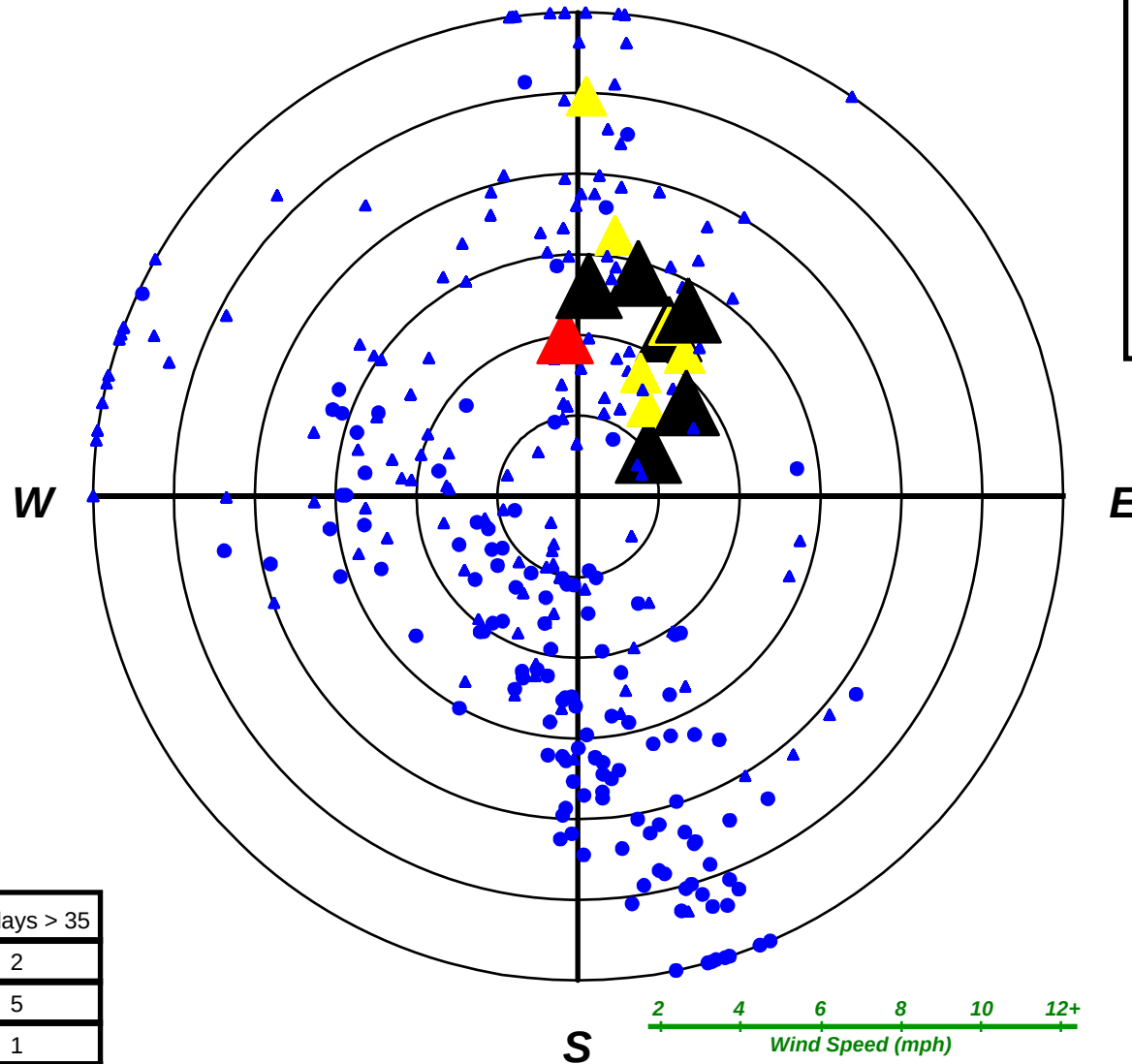
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 7.3 miles away
HUNTINGTON_TRI-STATE_ARPT (ID= 3860)

Imperial County, CA [Imperial County, CA]
Pollution Rose, 2005-2007

Site 060250005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

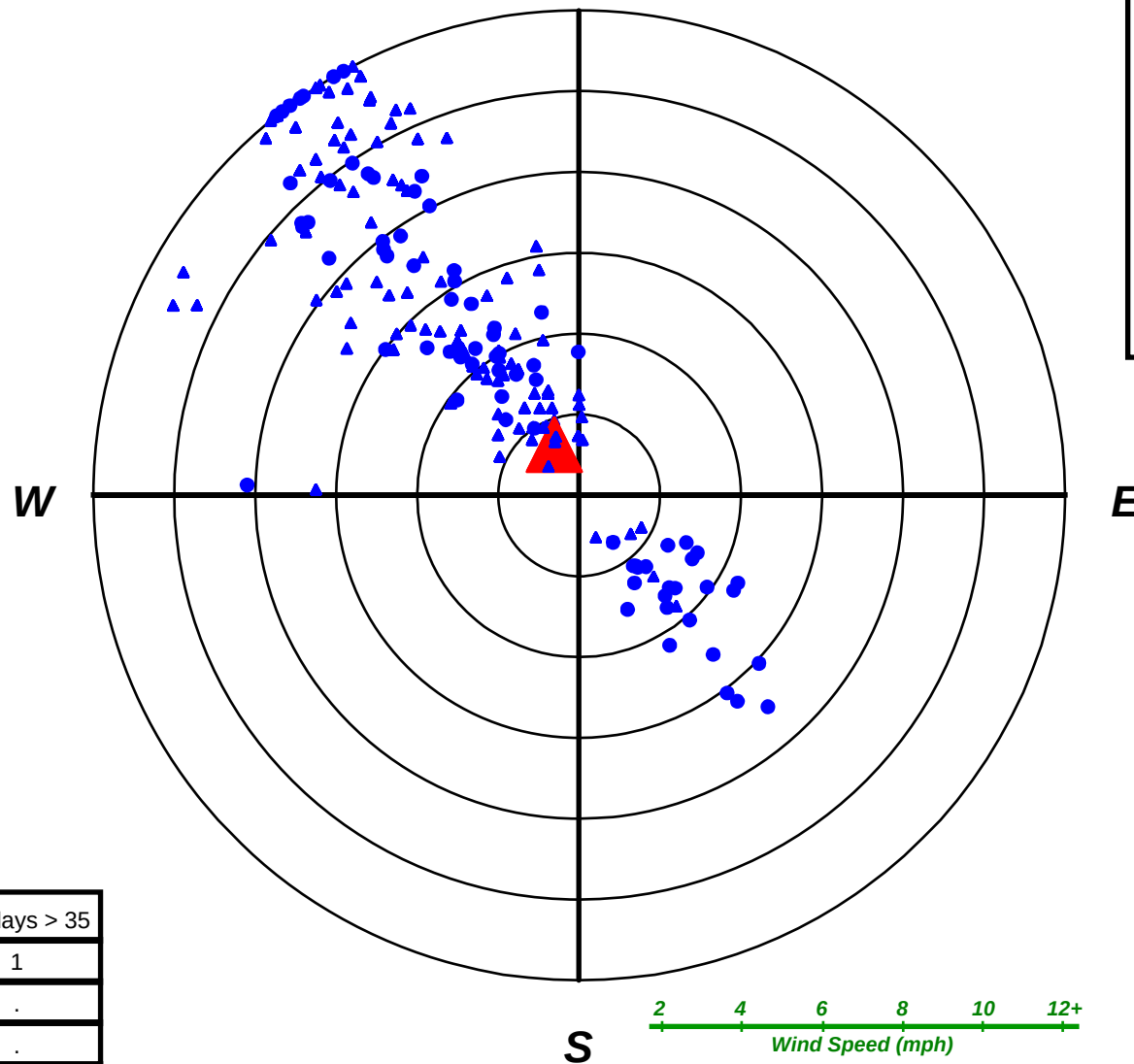
Year	98th %-ile	# days > 35
2005	41.1	2
2006	46.0	5
2007	29.5	1
Design Value	39-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 50.5 miles away
YUMA_MCAS (ID= 3145)

Imperial County, CA [Imperial County, CA]
Pollution Rose, 2005-2007

Site 060250007



Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

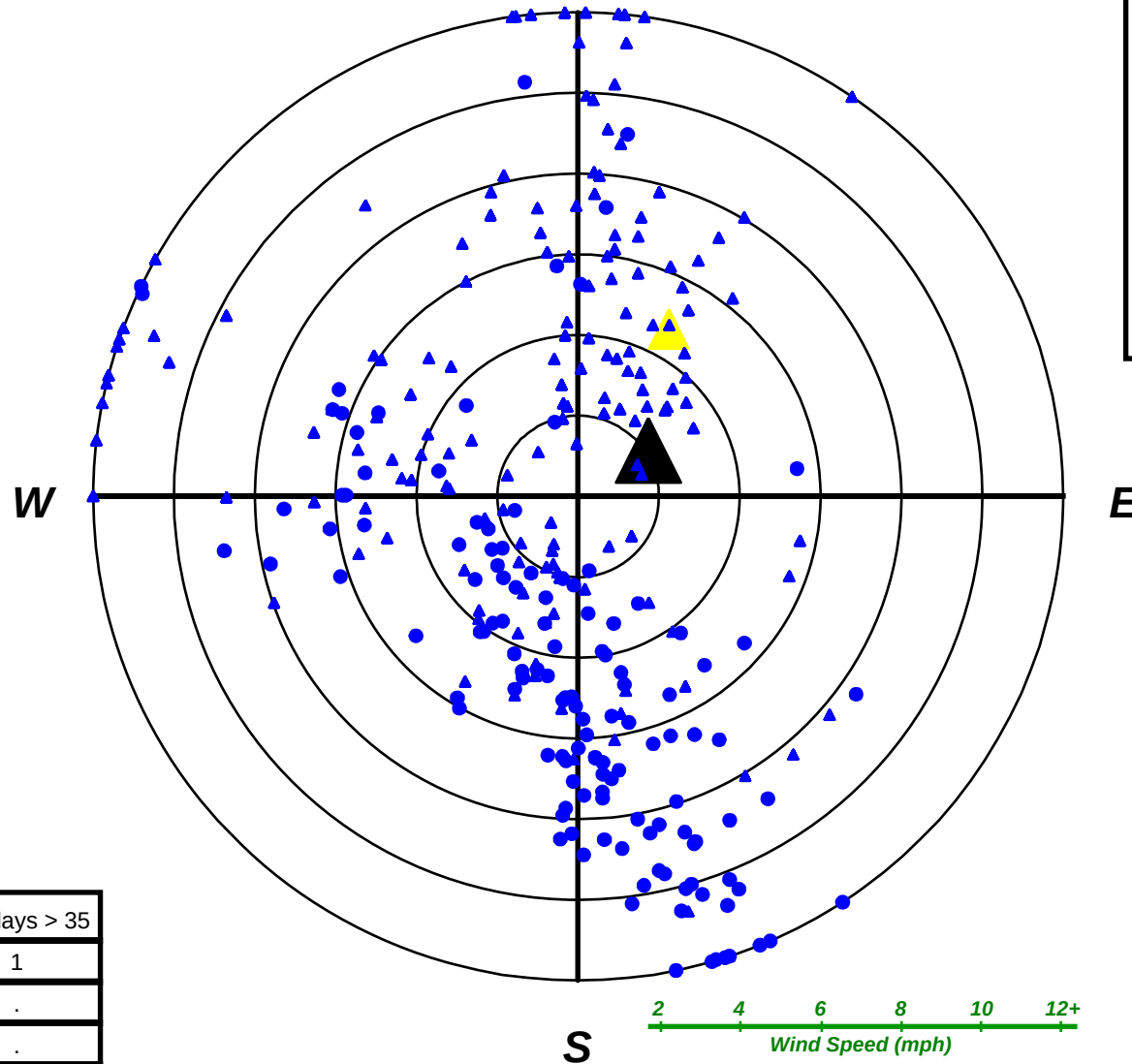
Year	98th %-ile	# days > 35
2005	23.5	1
2006	20.3	.
2007	18.6	.
Design Value	21-A	

All exceedances plotted

Meteorological data from 58.0 miles away
PALM_SPRINGS_THERMAL_AP (ID= 3104)

Imperial County, CA [Imperial County, CA]
Pollution Rose, 2005-2007

Site 060251003



Year	98th %-ile	# days > 35
2005	22.1	1
2006	27.1	.
2007	18.2	.
Design Value	22-A	

All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 55.8 miles away
YUMA_MCAS (ID= 3145)

Indianapolis, IN [Henry County, IN]
Pollution Rose, 2005-2007

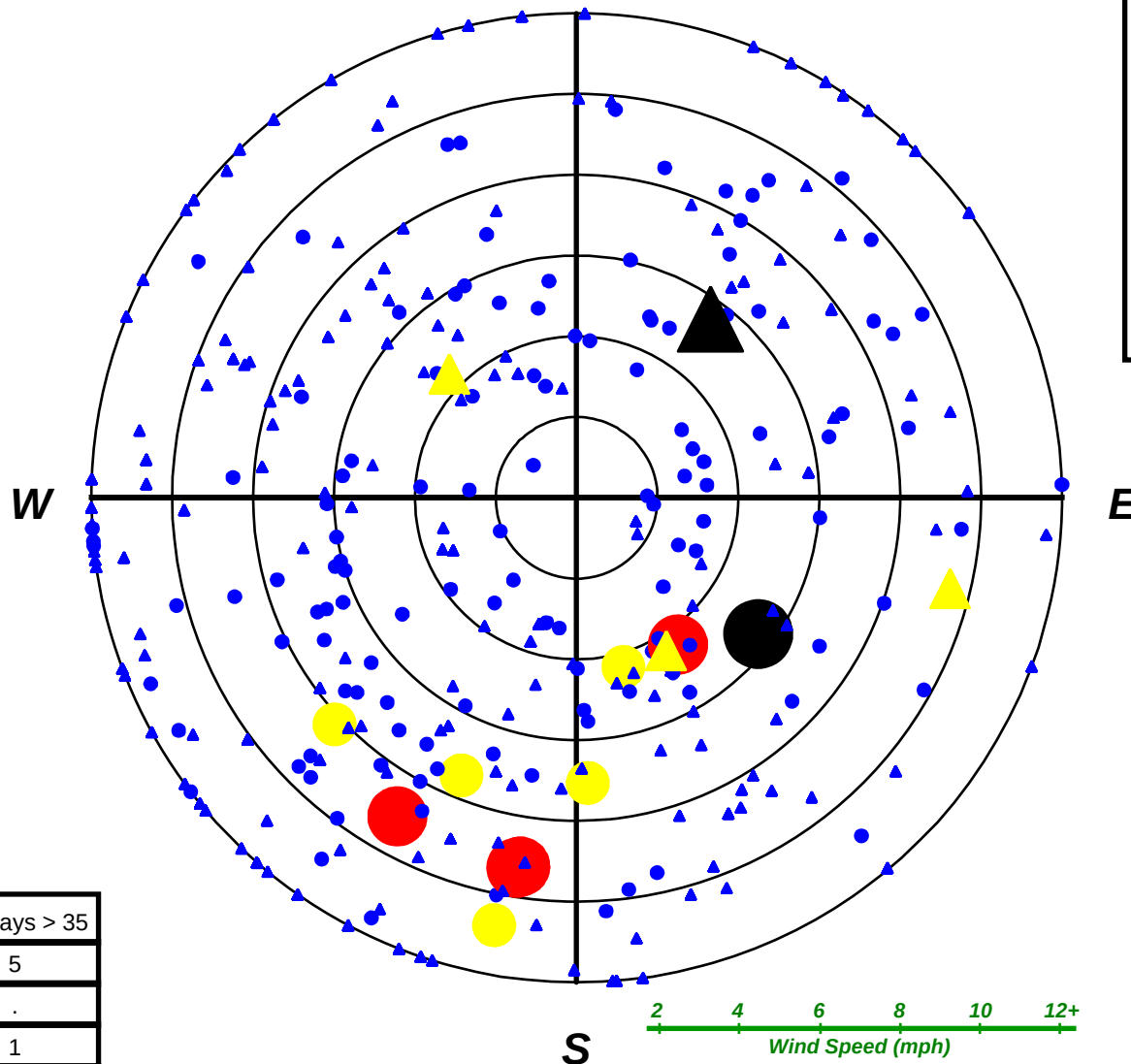
Site 180650003

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	37.3	5
2006	27.2	.
2007	32.4	1
Design Value	32-inc-a	

All exceedances plotted

Meteorological data from 44.4 miles away
INDIANAPOLIS_INTL_AP (ID=93819)

Indianapolis, IN [Madison County, IN]
Pollution Rose, 2005-2007

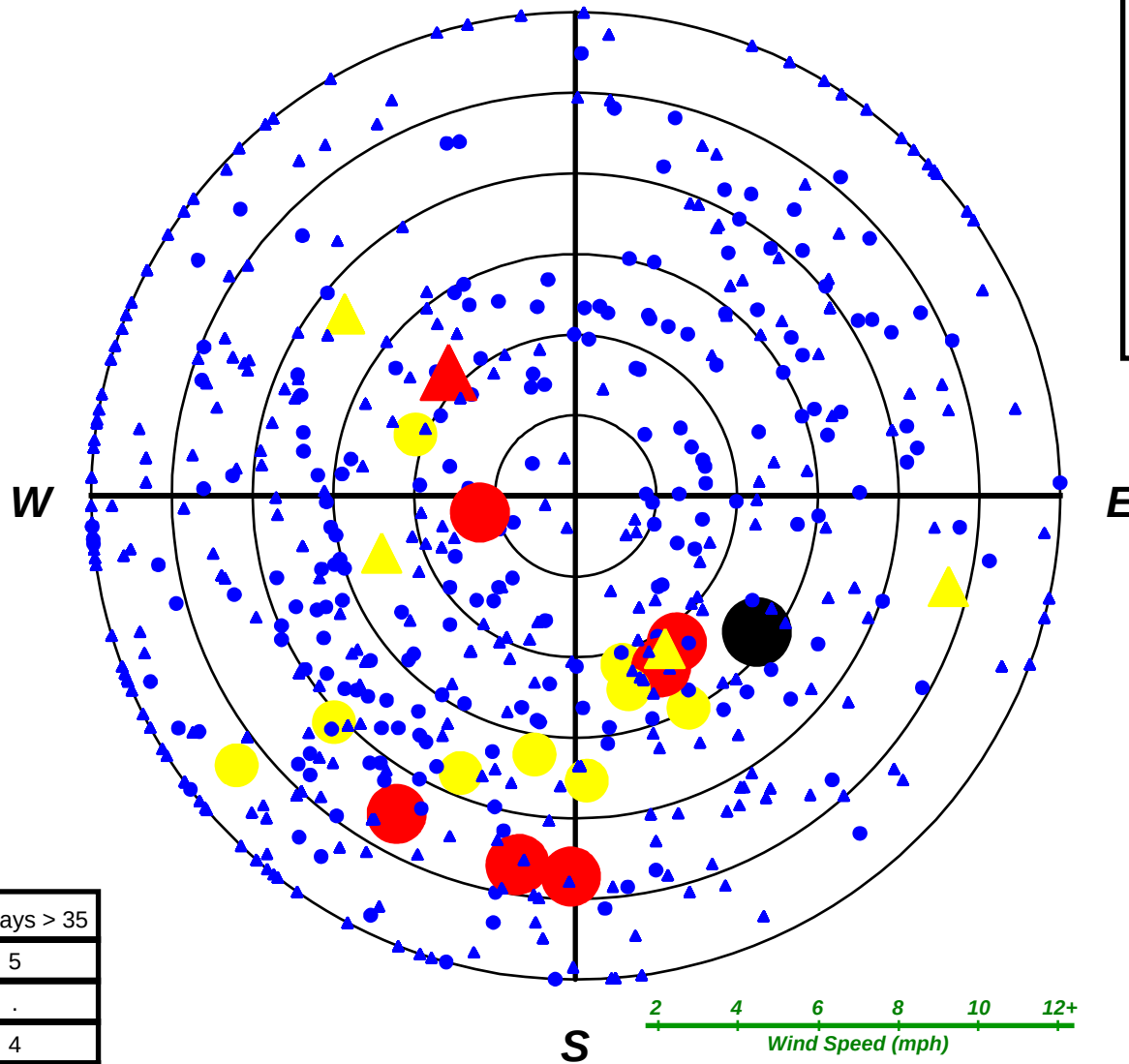
Site 180950009

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



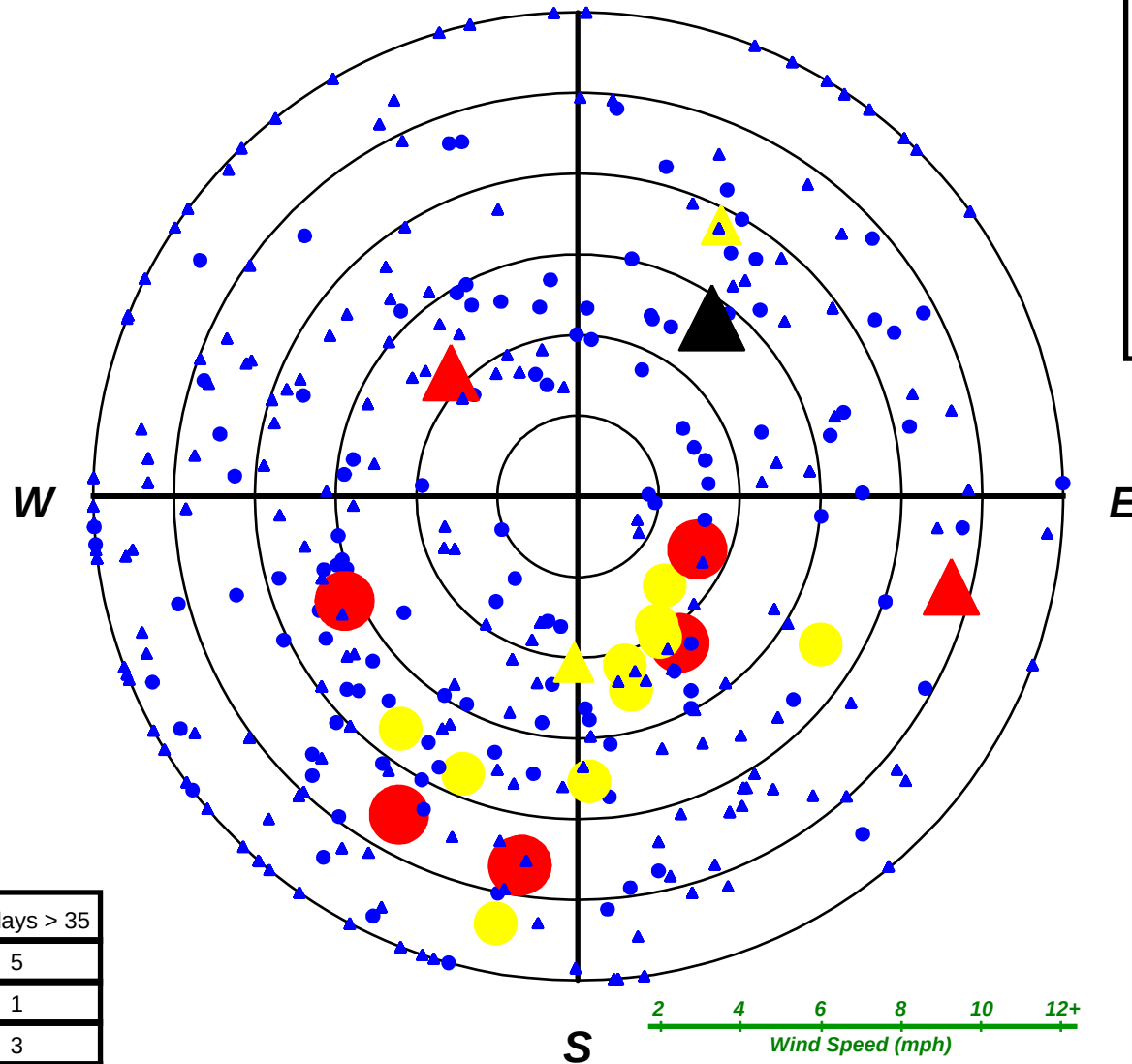
Year	98th %-ile	# days > 35
2005	38.3	5
2006	28.0	.
2007	34.3	4
Design Value	34-A	

All exceedances plotted

Meteorological data from 41.4 miles away
INDIANAPOLIS_INTL_AP (ID=93819)

Indianapolis, IN [Marion County, IN]
Pollution Rose, 2005-2007

Site 180970042



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

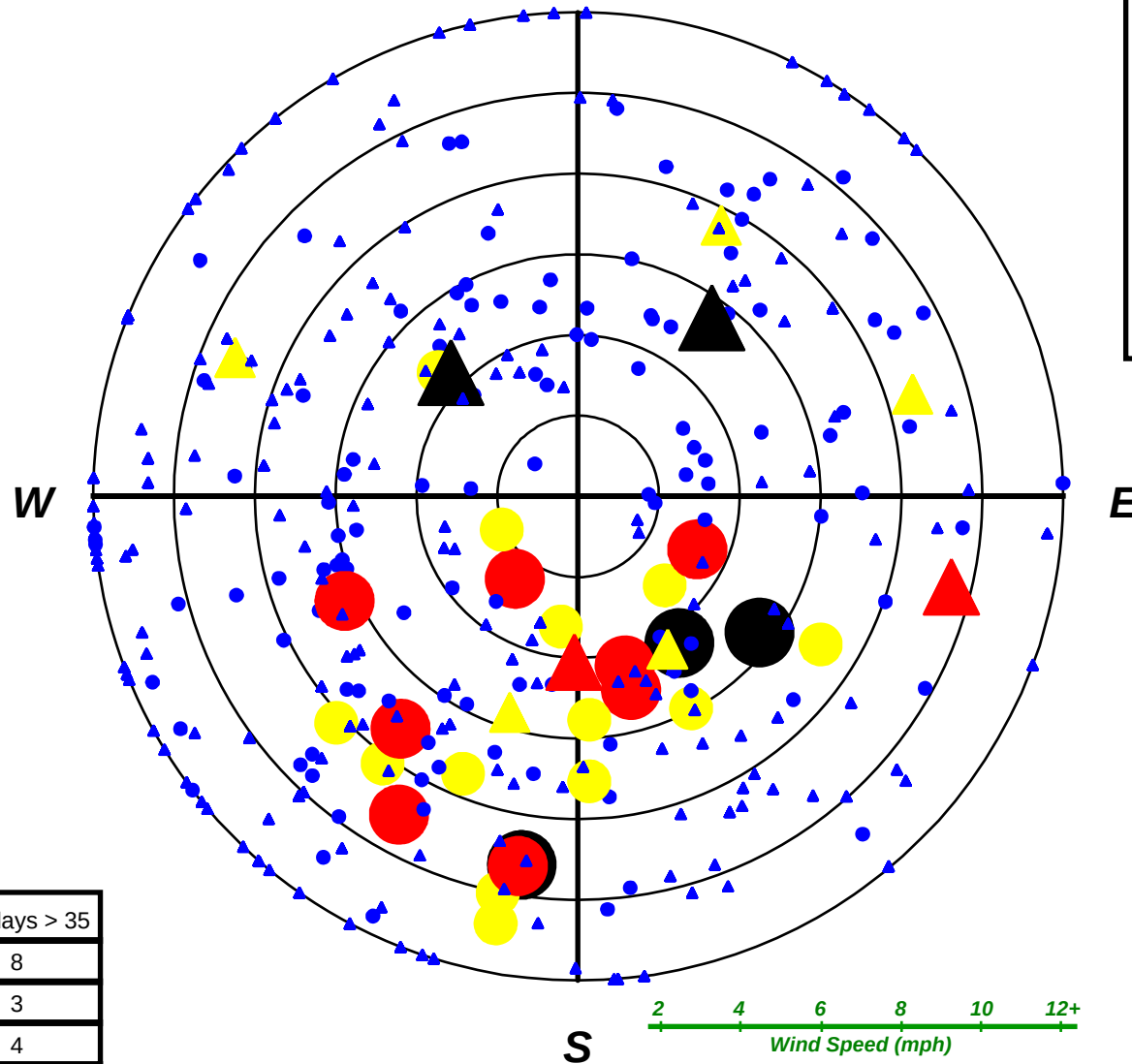
Year	98th %-ile	# days > 35
2005	39.4	5
2006	31.0	1
2007	35.6	3
Design Value	35-A	

All exceedances plotted

Meteorological data from 5.0 miles away
INDIANAPOLIS_INTL_AP (ID=93819)

Indianapolis, IN [Marion County, IN]
Pollution Rose, 2005-2007

Site 180970043



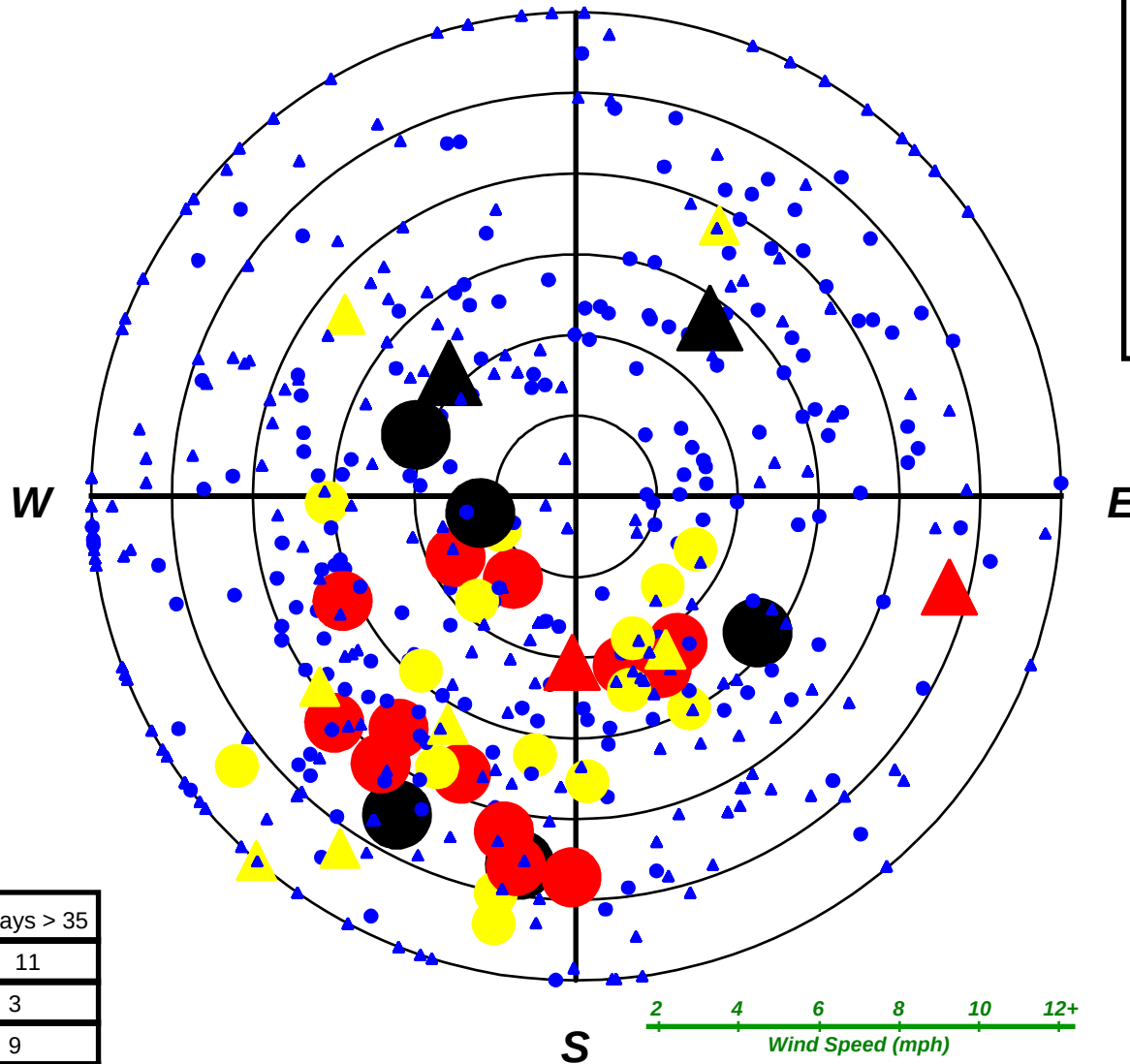
Year	98th %-ile	# days > 35
2005	43.9	8
2006	37.5	3
2007	38.3	4
Design Value	40-NA	

All exceedances plotted

Meteorological data from 5.7 miles away
INDIANAPOLIS_INTL_AP (ID=93819)

Indianapolis, IN [Marion County, IN]
Pollution Rose, 2005-2007

Site 180970066



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

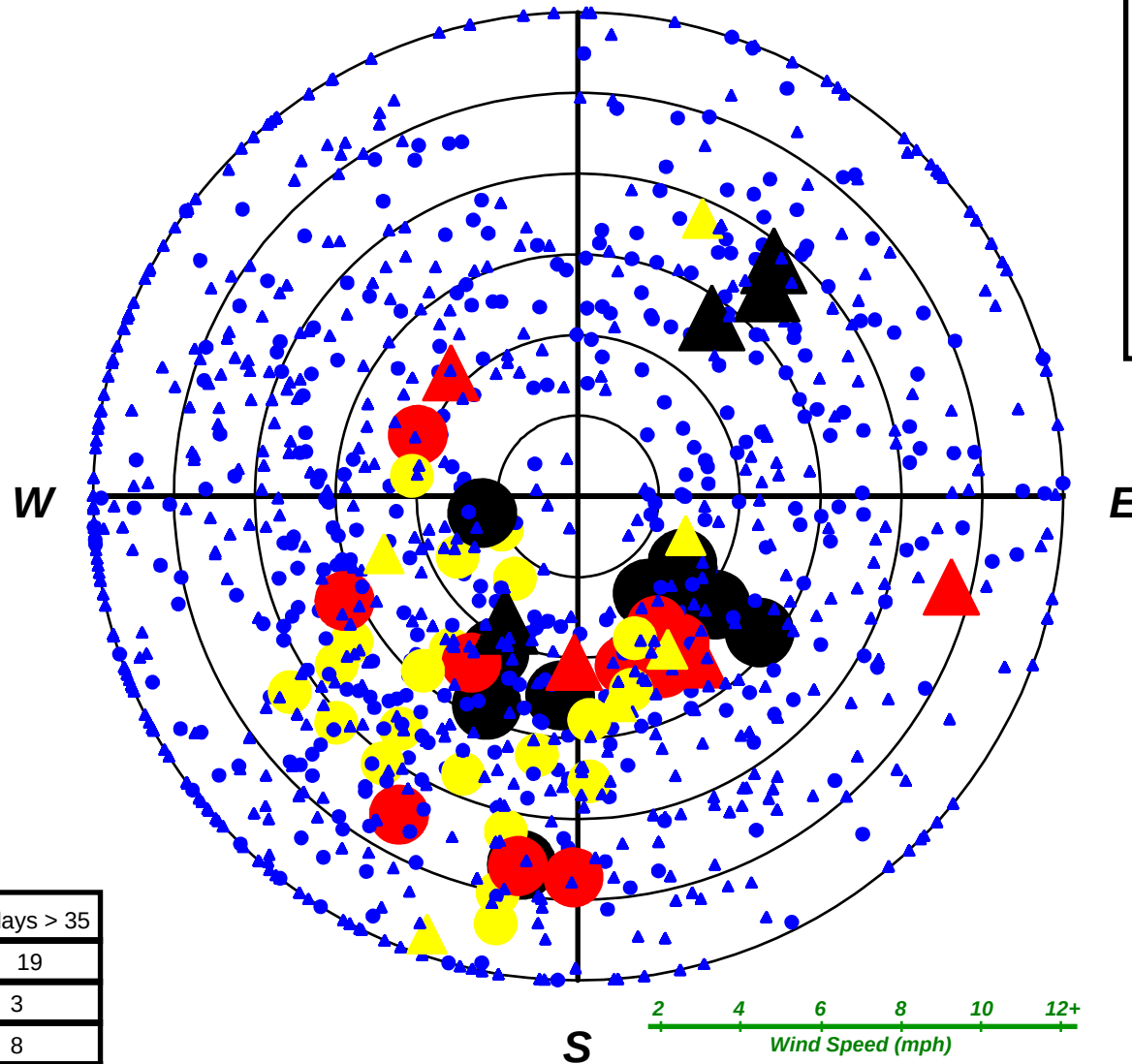
Year	98th %-ile	# days > 35
2005	44.0	11
2006	36.2	3
2007	38.8	9
Design Value	40-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 8.9 miles away
INDIANAPOLIS_INTL_AP (ID=93819)

Indianapolis, IN [Marion County, IN]
Pollution Rose, 2005-2007

Site 180970078



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

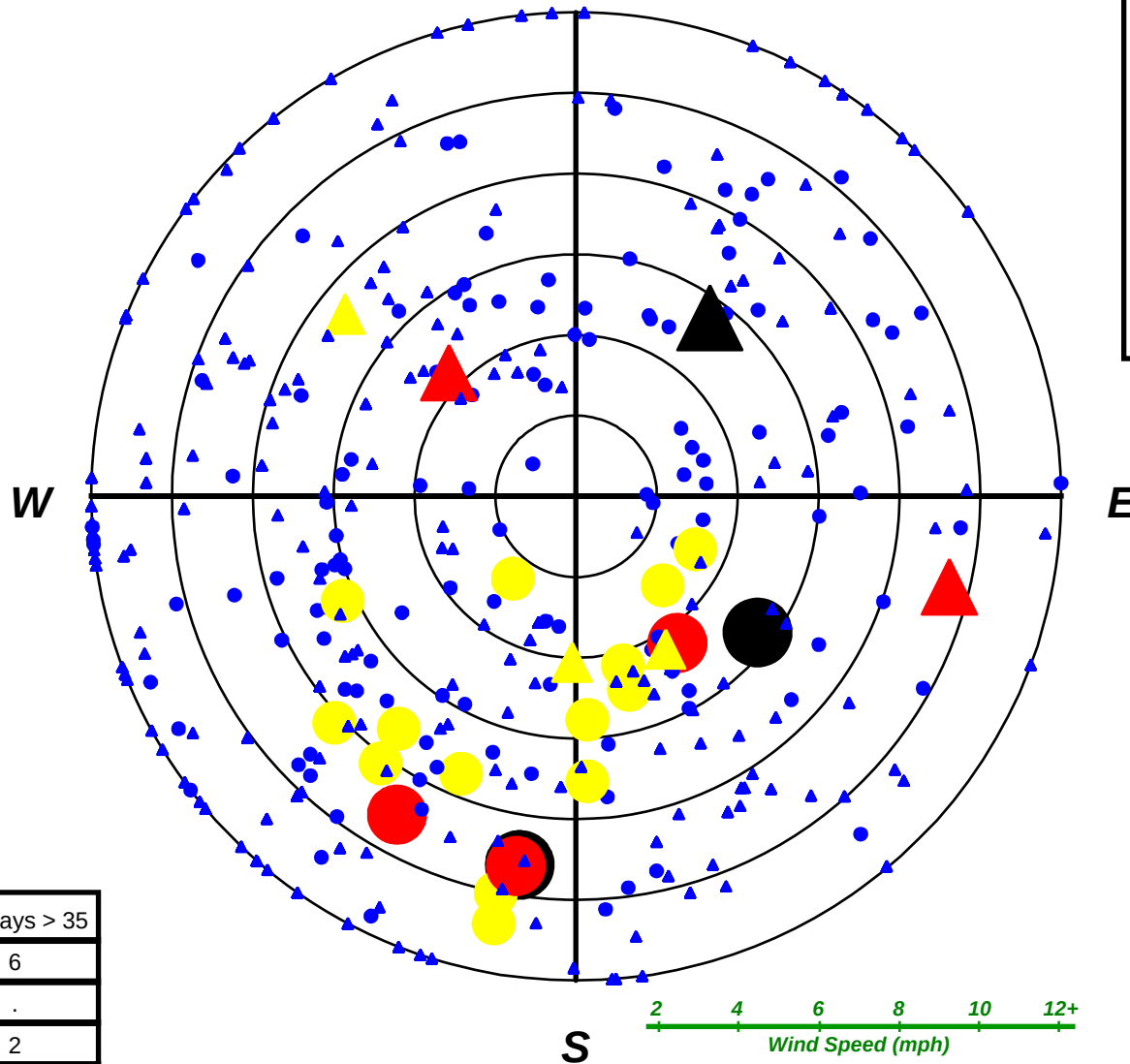
Year	98th %-ile	# days > 35
2005	42.5	19
2006	31.7	3
2007	37.6	8
Design Value	37-NA	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 10.4 miles away
INDIANAPOLIS_INTL_AP (ID=93819)

Indianapolis, IN [Marion County, IN]
Pollution Rose, 2005-2007

Site 180970079



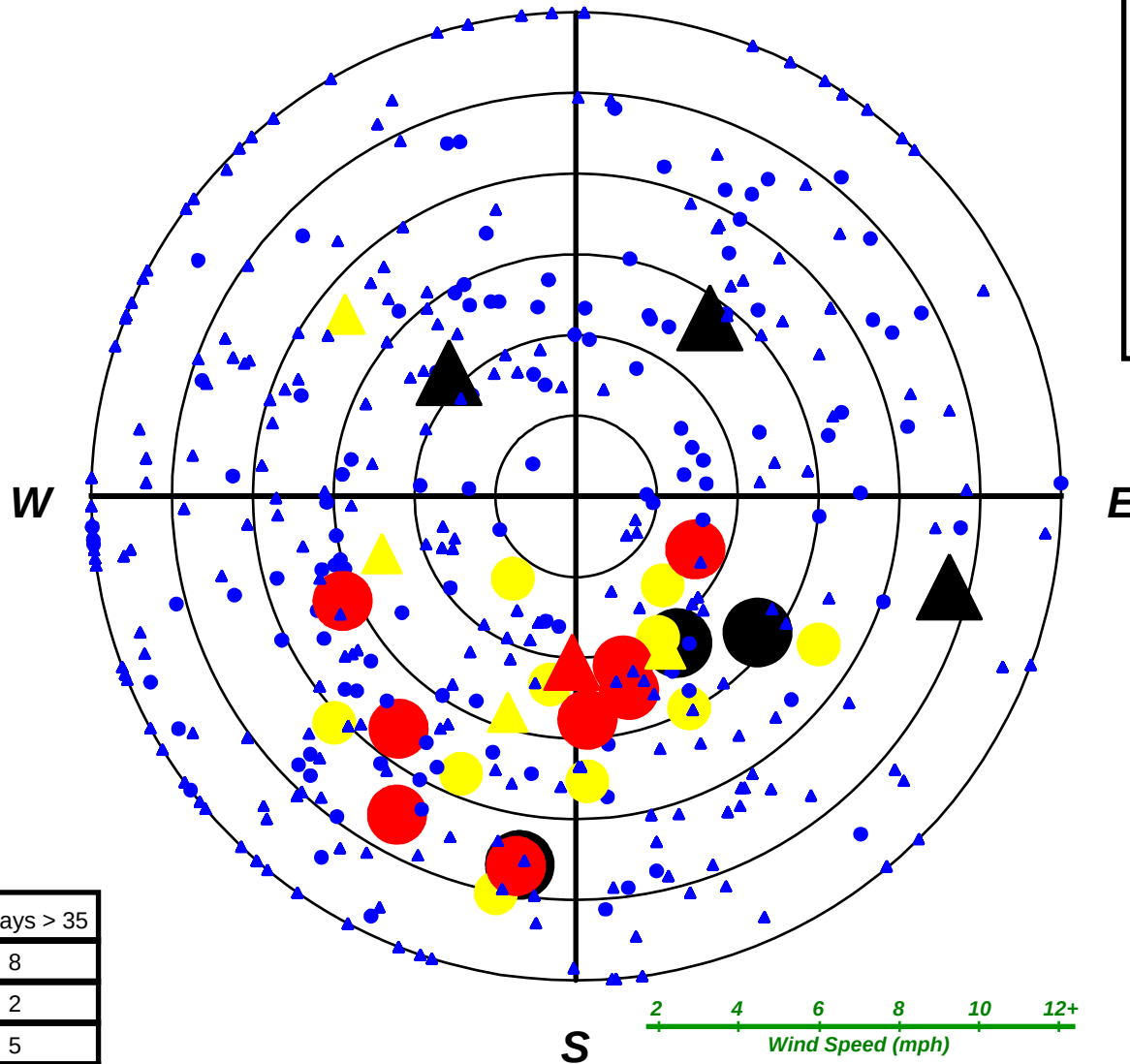
Year	98th %-ile	# days > 35
2005	43.4	6
2006	30.7	.
2007	33.5	2
Design Value	36-NA	

All exceedances plotted

Meteorological data from 17.1 miles away
INDIANAPOLIS_INTL_AP (ID=93819)

Indianapolis, IN [Marion County, IN]
Pollution Rose, 2005-2007

Site 180970081



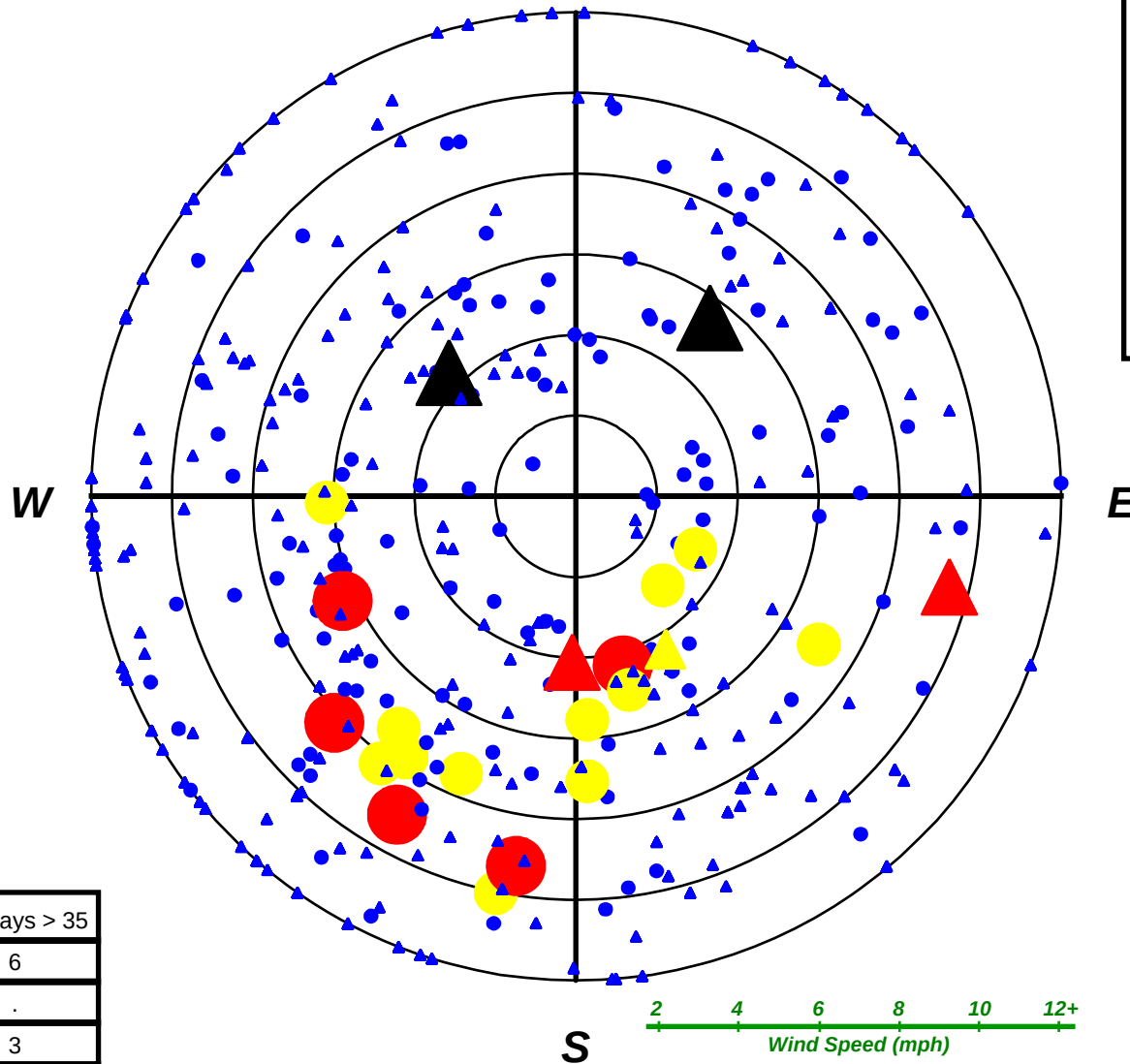
Year	98th %-ile	# days > 35
2005	45.7	8
2006	34.8	2
2007	37.1	5
Design Value	39-NA	

All exceedances plotted

Meteorological data from 5.7 miles away
INDIANAPOLIS_INTL_AP (ID=93819)

Indianapolis, IN [Marion County, IN]
Pollution Rose, 2005-2007

Site 180970083



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	40.3	6
2006	33.5	.
2007	37.2	3
Design Value	37-NA	

All exceedances plotted

Meteorological data from 8.7 miles away
INDIANAPOLIS_INTL_AP (ID=93819)

Johnstown, PA [Cambria County, PA]
Pollution Rose, 2005-2007

Site 420210011

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

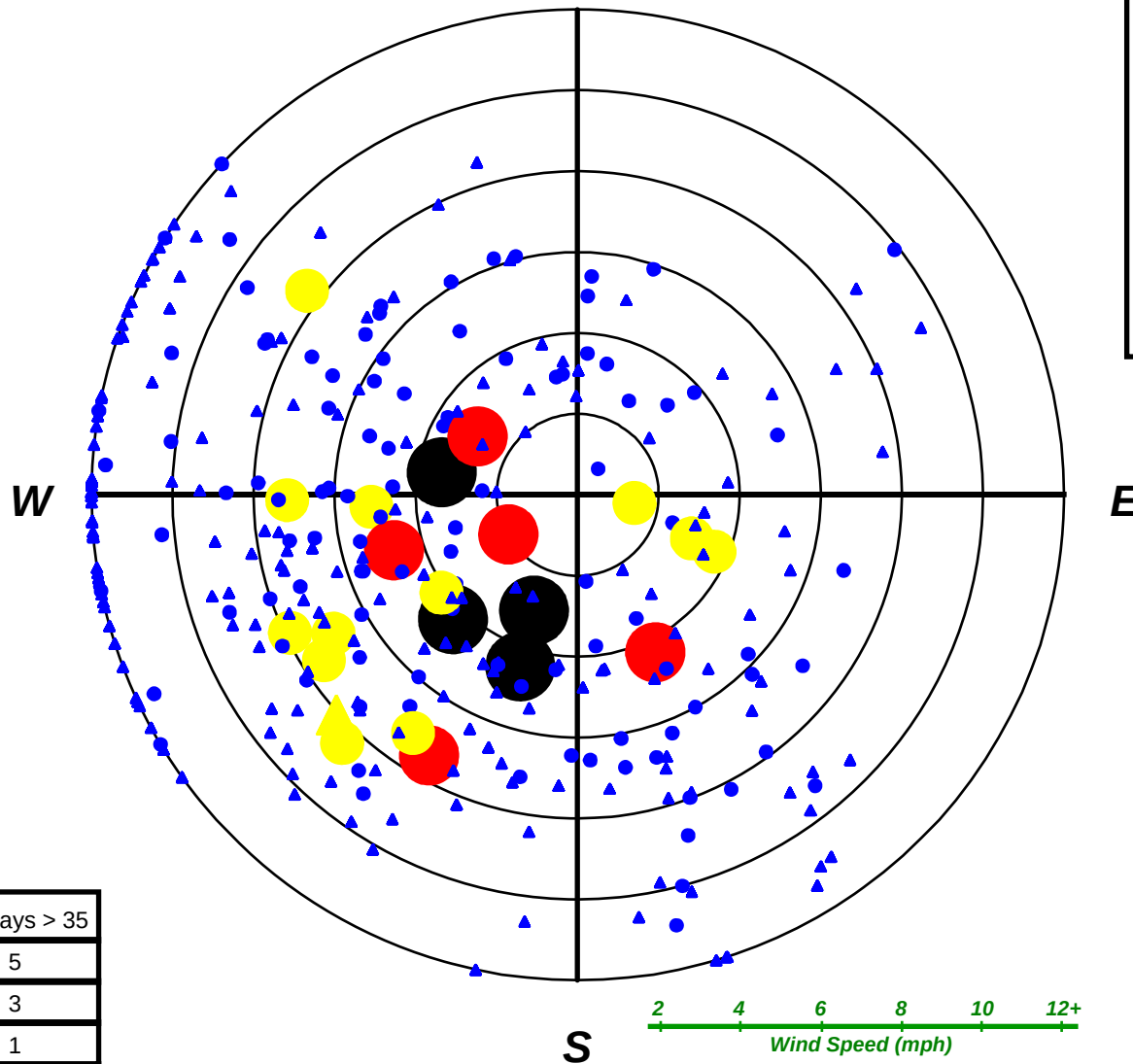
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	43.2	5
2006	39.0	3
2007	34.6	1
Design Value	39-NA	

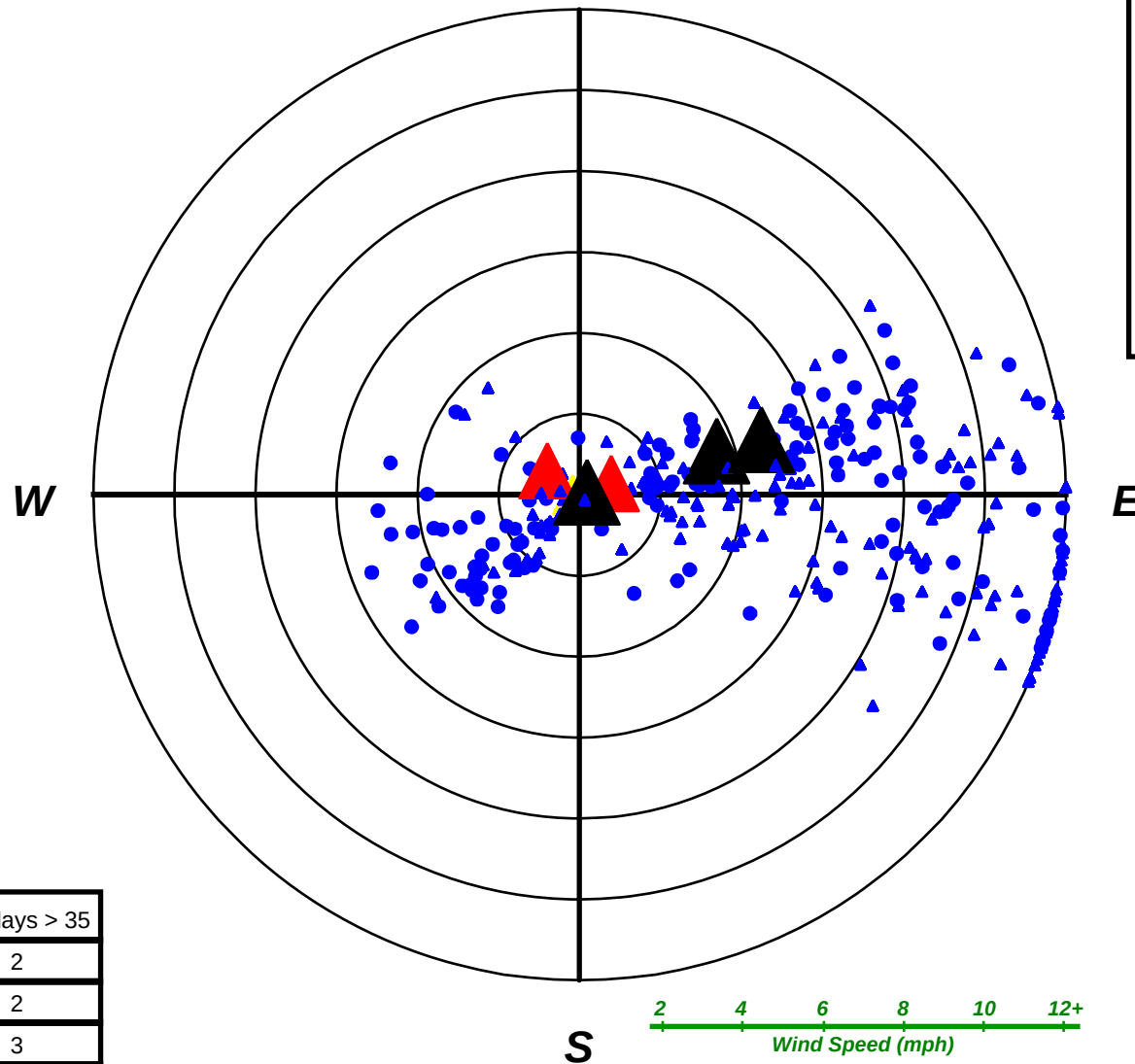
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 4.4 miles away
JOHNSTOWN_CAMBRIA_COUNTY_AP (ID= 4726)

Juneau, AK [Juneau County, AK]
Pollution Rose, 2005-2007

Site 021100004



Year	98th %-ile	# days > 35
2005	35.4	2
2006	33.0	2
2007	39.6	3
Design Value	36-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.8 miles away
JUNEAU_INT'L_ARPT (ID=25309)

Klamath Falls, OR [Klamath County, OR]
Pollution Rose, 2005-2007

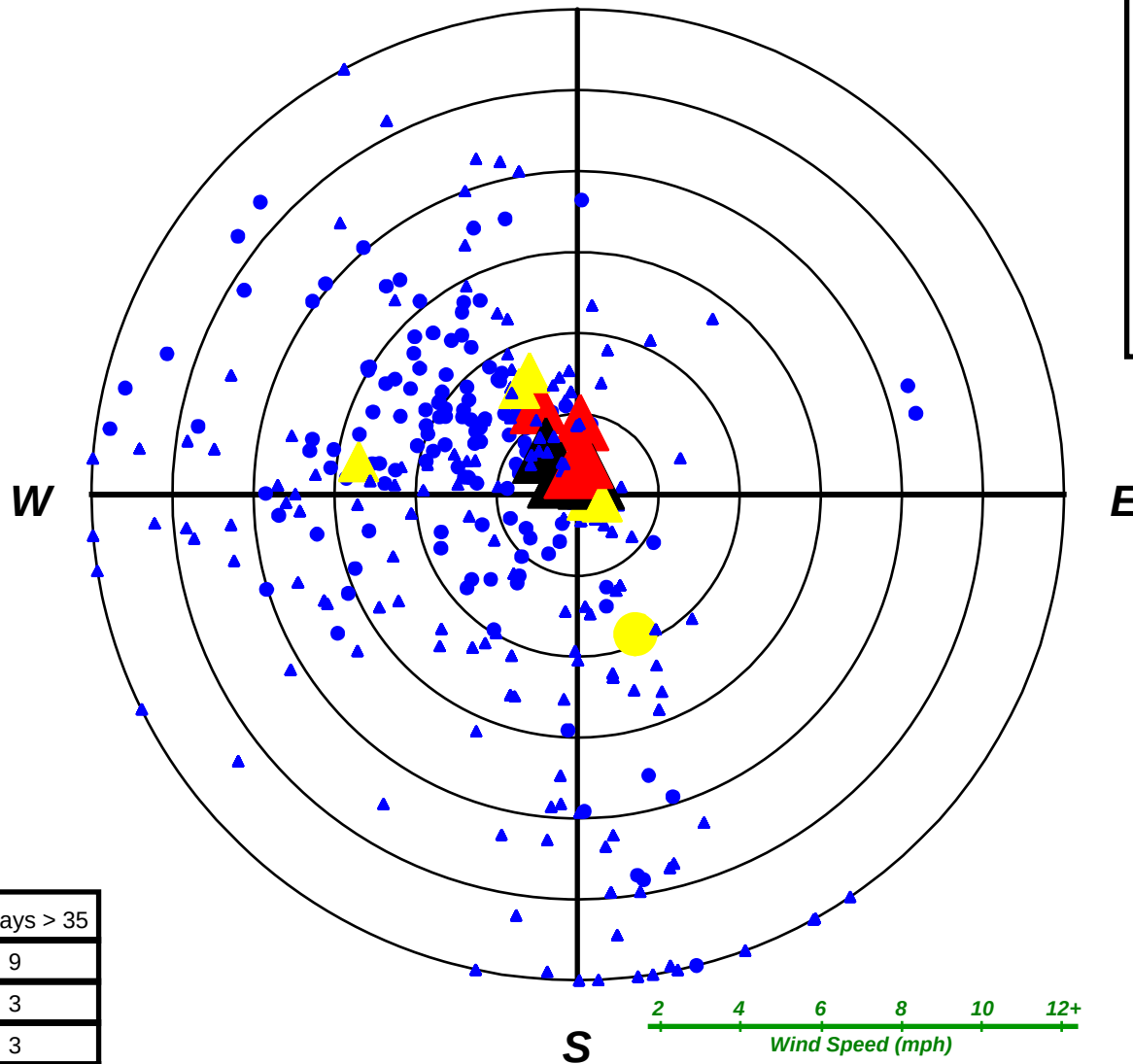
Site 410350004

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



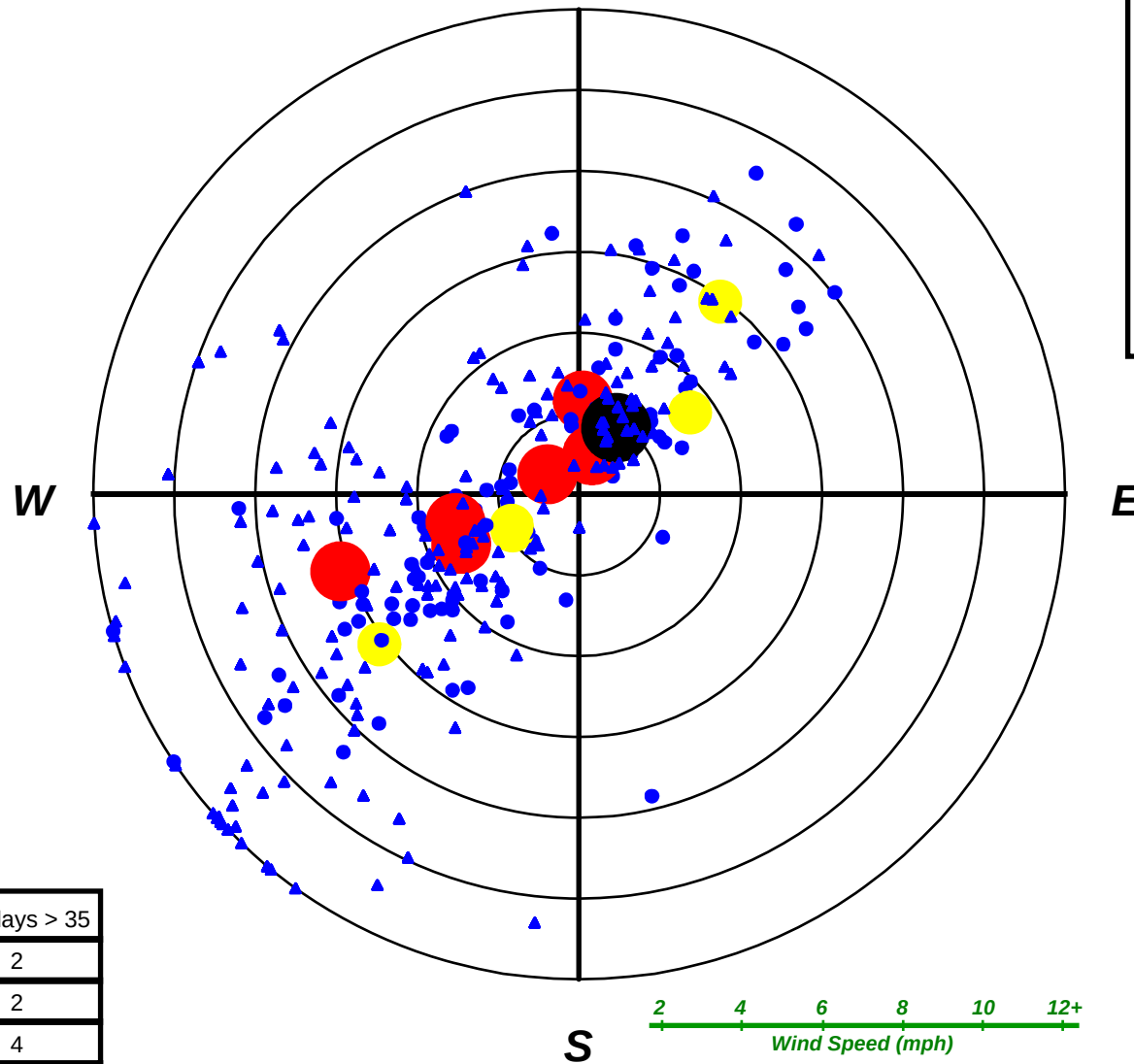
Year	98th %-ile	# days > 35
2005	49.2	9
2006	47.5	3
2007	39.6	3
Design Value	45-NA	

8 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.7 miles away
KLAMATH_FALLS_INTL_AP (ID=94236)

Knoxville-Sevierville-La Follette, TN [Blount County, TN]
Pollution Rose, 2005-2007

Site 470090011



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	33.0	2
2006	30.9	2
2007	38.8	4
Design Value	34-A	

All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 4.1 miles away
KNOXVILLE_MCGHEE_TYSON_AP (ID=13891)

Knoxville-Sevierville-La Follette, TN [Knox County, TN]
Pollution Rose, 2005-2007

Site 470930028

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

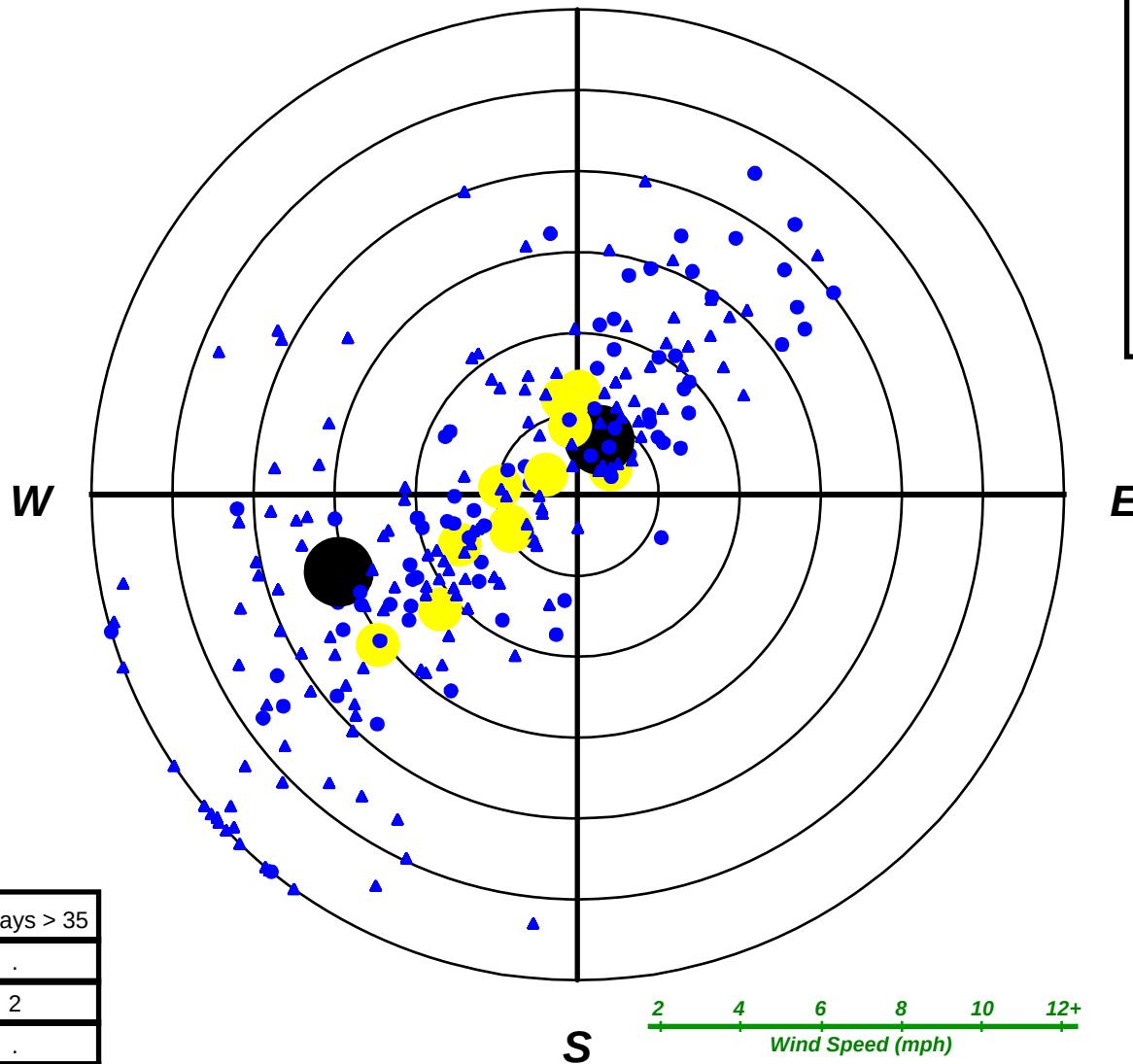
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	34.3	.
2006	40.7	2
2007	35.0	.
Design Value	37-NA	

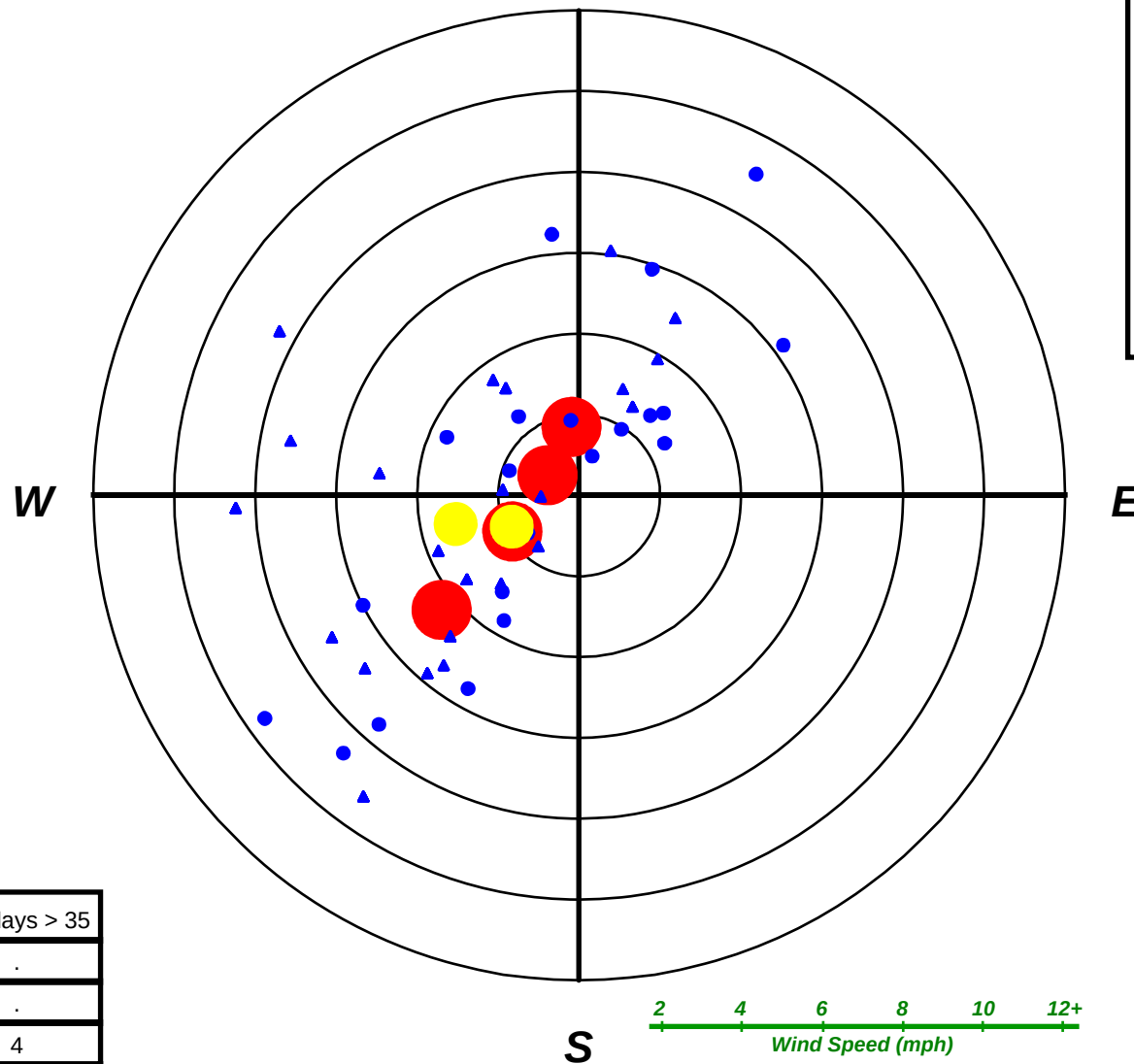
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 9.3 miles away
KNOXVILLE_MCGHEE_TYSON_AP (ID=13891)

Knoxville-Sevierville-La Follette, TN [Knox County, TN]
Pollution Rose, 2005-2007

Site 470931013



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	37.3	4
Design Value	37-inc-na	

All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 11.6 miles away
KNOXVILLE_MCGHEE_TYSON_AP (ID=13891)

Knoxville-Sevierville-La Follette, TN [Knox County, TN]
Pollution Rose, 2005-2007

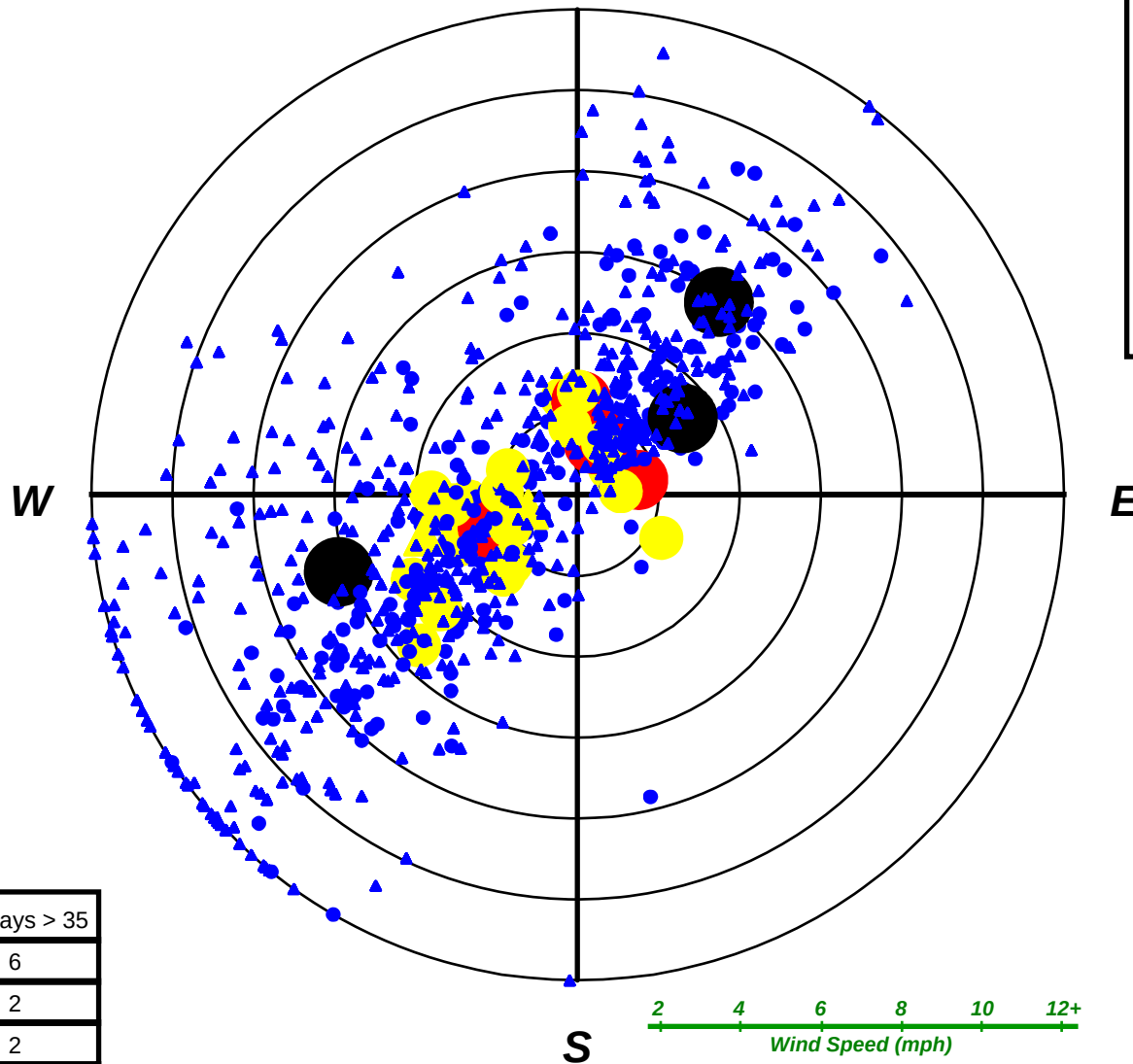
Site 470931017

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



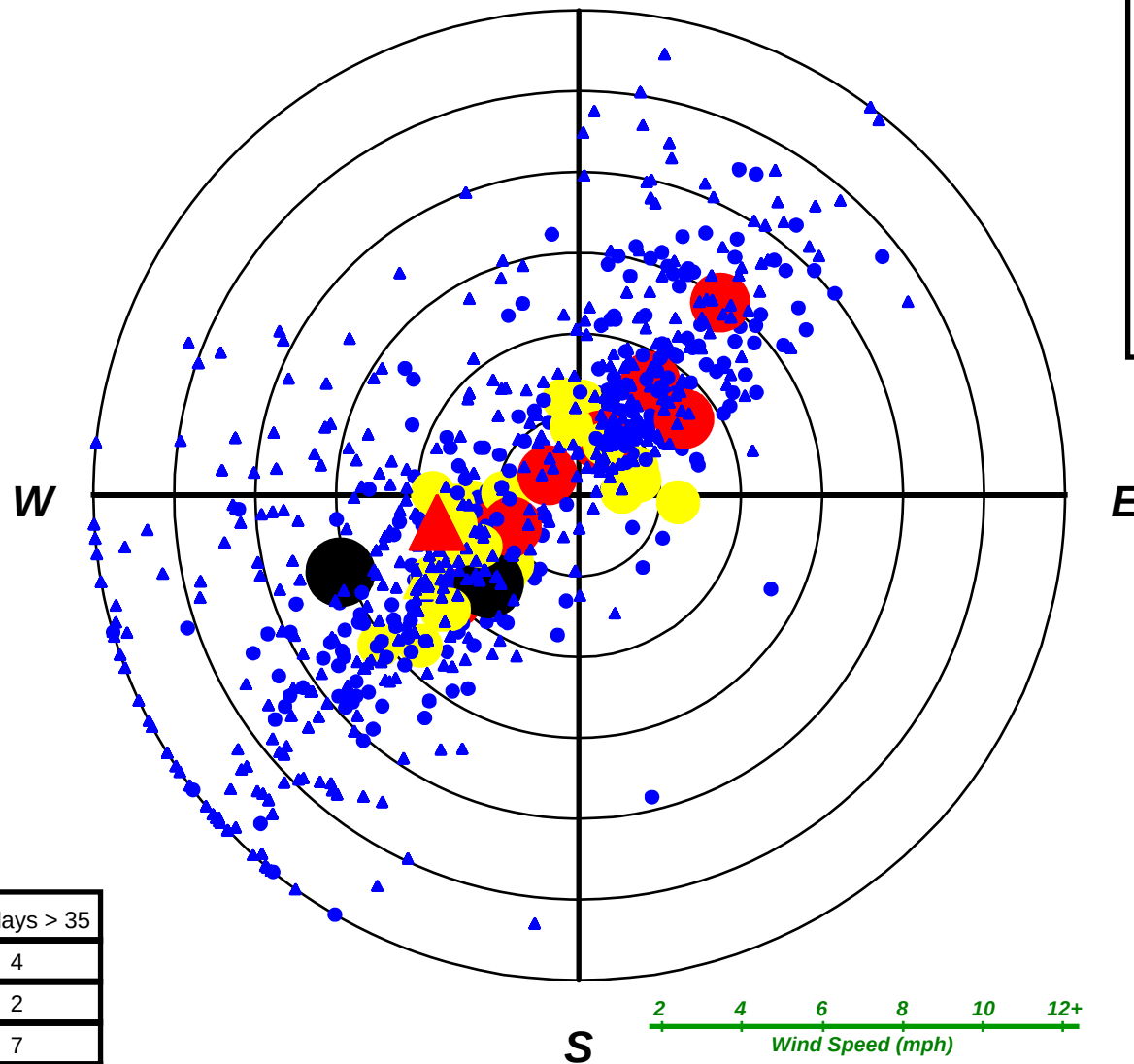
Year	98th %-ile	# days > 35
2005	35.5	6
2006	32.1	2
2007	32.7	2
Design Value	33-inc-a	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 11.3 miles away
KNOXVILLE_MCGHEE_TYSON_AP (ID=13891)

Knoxville-Sevierville-La Follette, TN [Knox County, TN]
Pollution Rose, 2005-2007

Site 470931020



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	35.1	4
2006	31.7	2
2007	35.9	7
Design Value	34-inc-a	

2 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 15.3 miles away
KNOXVILLE_MCGHEE_TYSON_AP (ID=13891)

Knoxville-Sevierville-La Follette, TN [Loudon County, TN]
Pollution Rose, 2005-2007

Site 471050108

Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

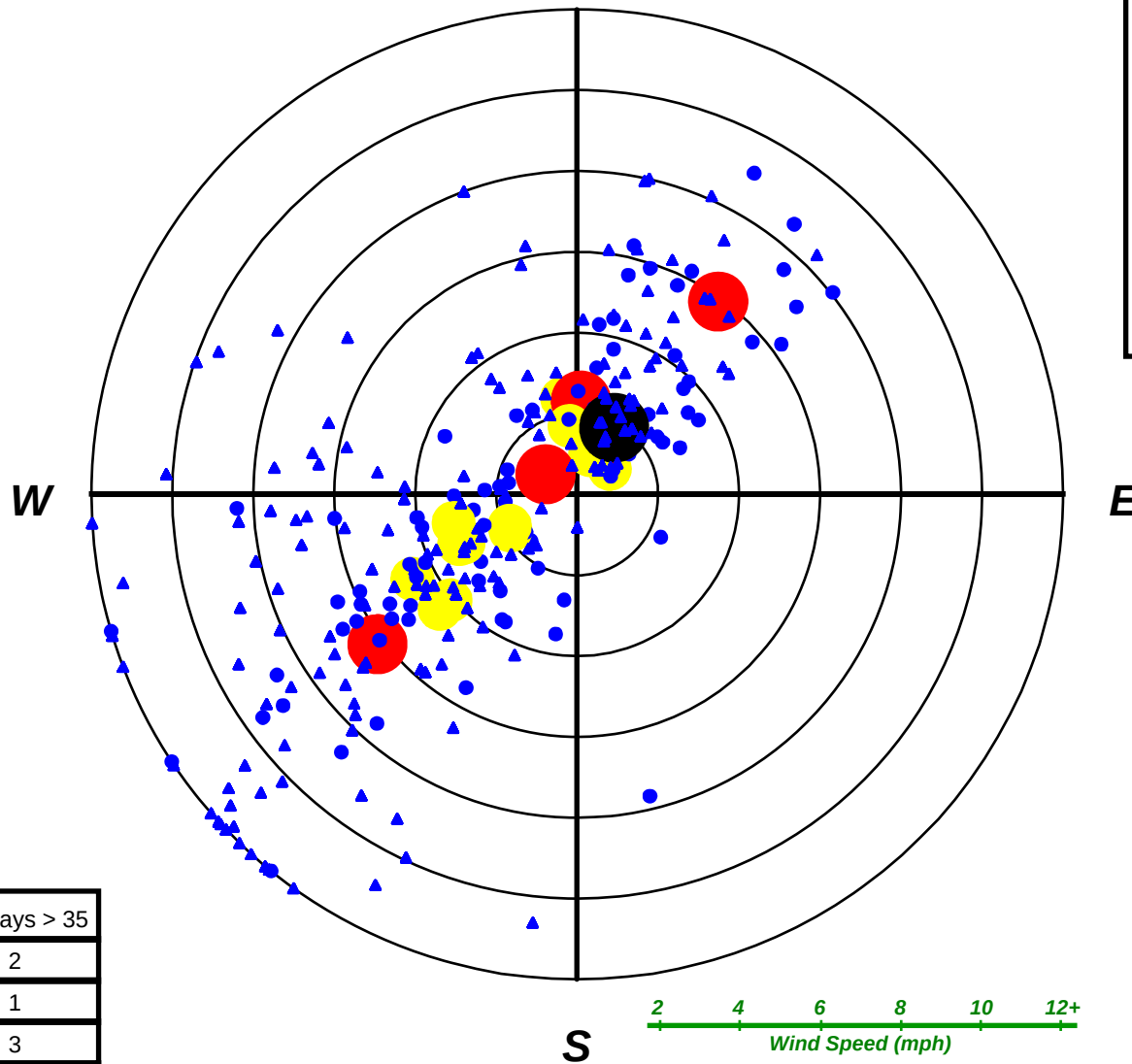
■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	34.2	2
2006	29.8	1
2007	36.0	3
Design Value	33-A	

All exceedances plotted

Meteorological data from 19.4 miles away
KNOXVILLE_MCGHEE_TYSON_AP (ID=13891)

Knoxville-Sevierville-La Follette, TN [Roane County, TN]
Pollution Rose, 2005-2007

Site 471450004

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

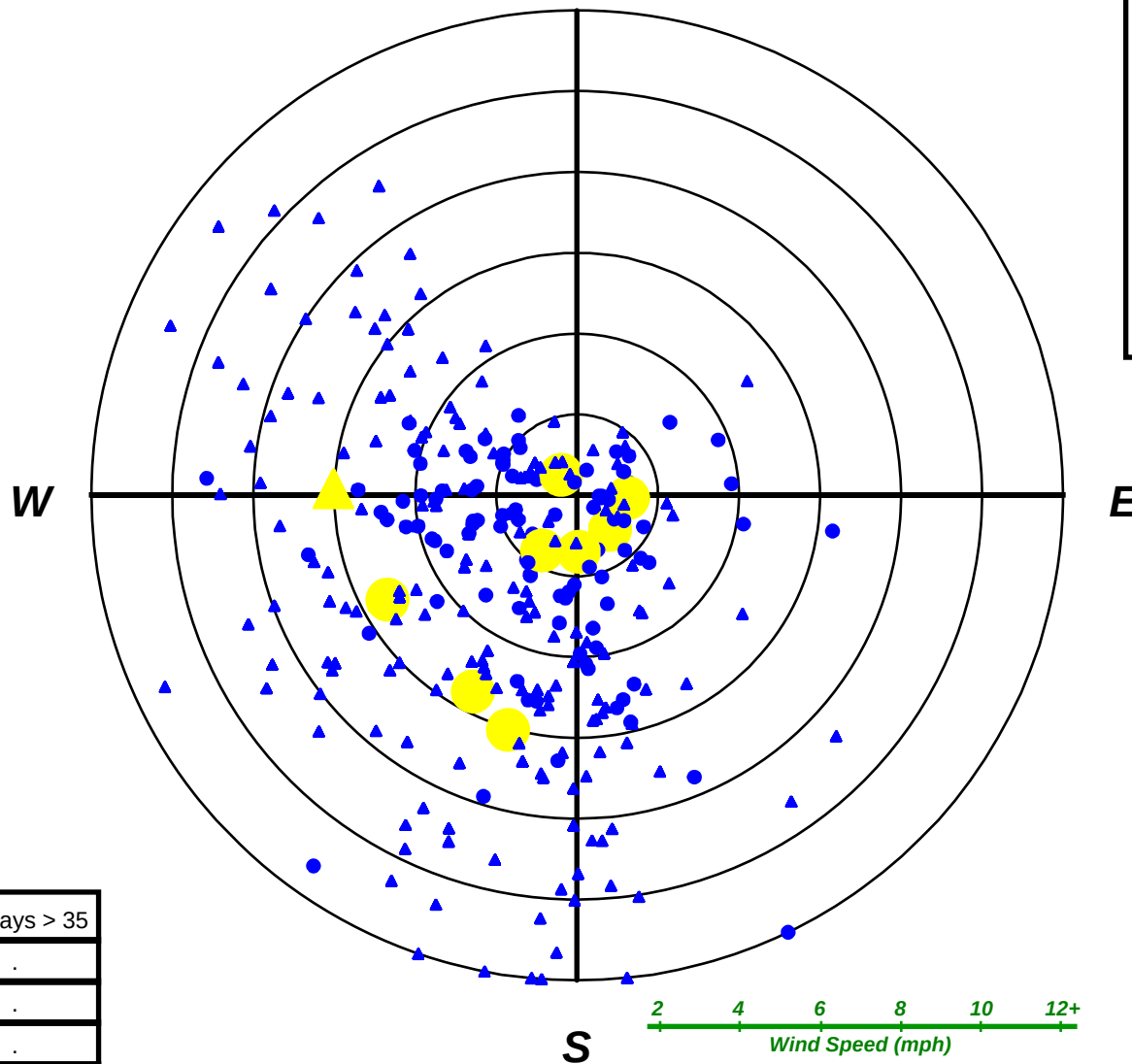
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



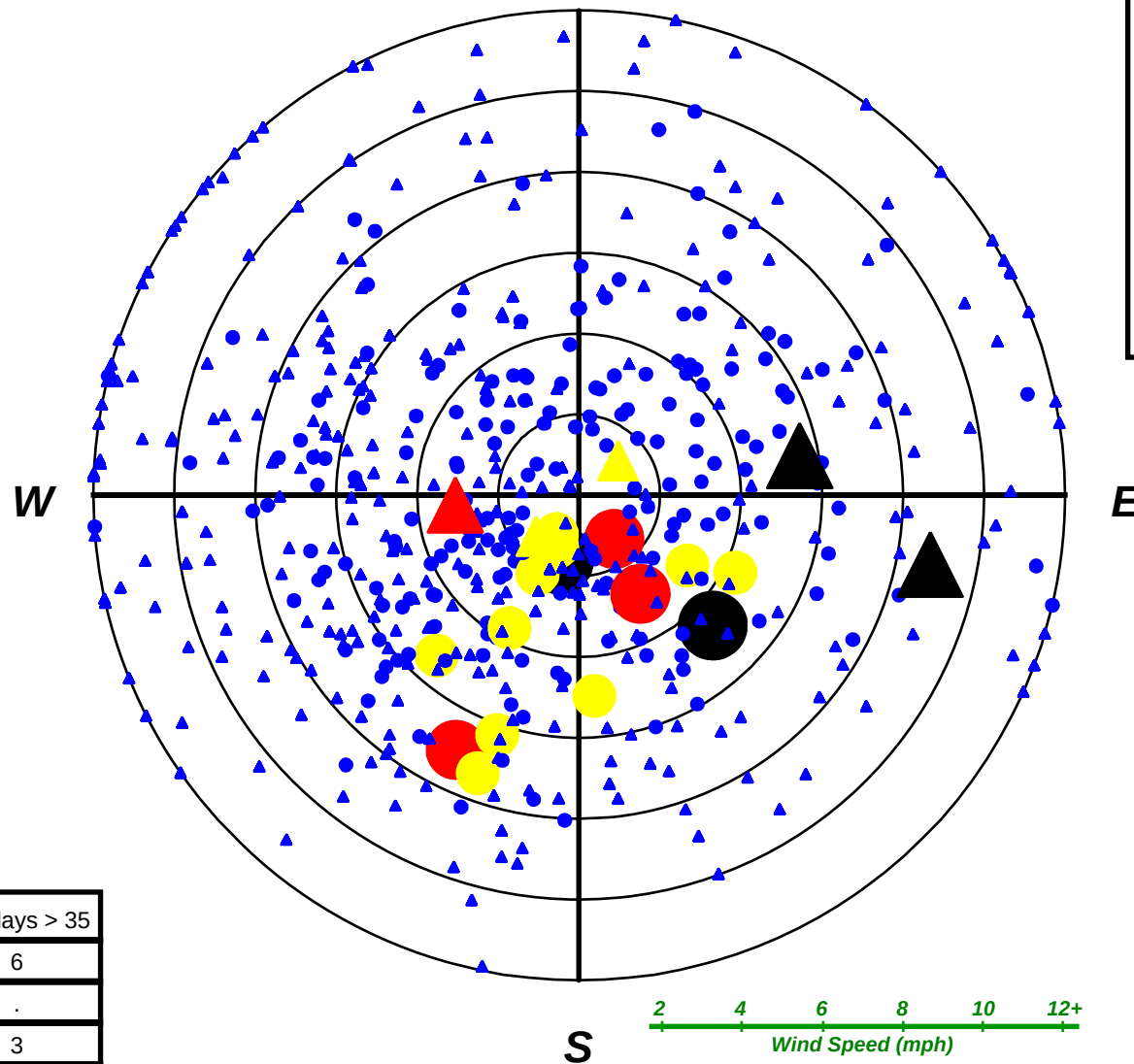
Year	98th %-ile	# days > 35
2005	32.5	.
2006	28.6	.
2007	33.2	.
Design Value	31-A	

No exceedances

Meteorological data from 30.2 miles away
CROSSVILLE_MEMORIAL_AP (ID= 3847)

Lafayette-Frankfort, IN [Tippecanoe County, IN]
Pollution Rose, 2005-2007

Site 181570008



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	49.3	6
2006	27.0	.
2007	34.2	3
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 4.4 miles away
LAFAYETTE_PURDUE_UNIV_AP (ID=14835)

Lafayette-Frankfort, IN [Lafayette County, LA]
Pollution Rose, 2005-2007

Site 220550005

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

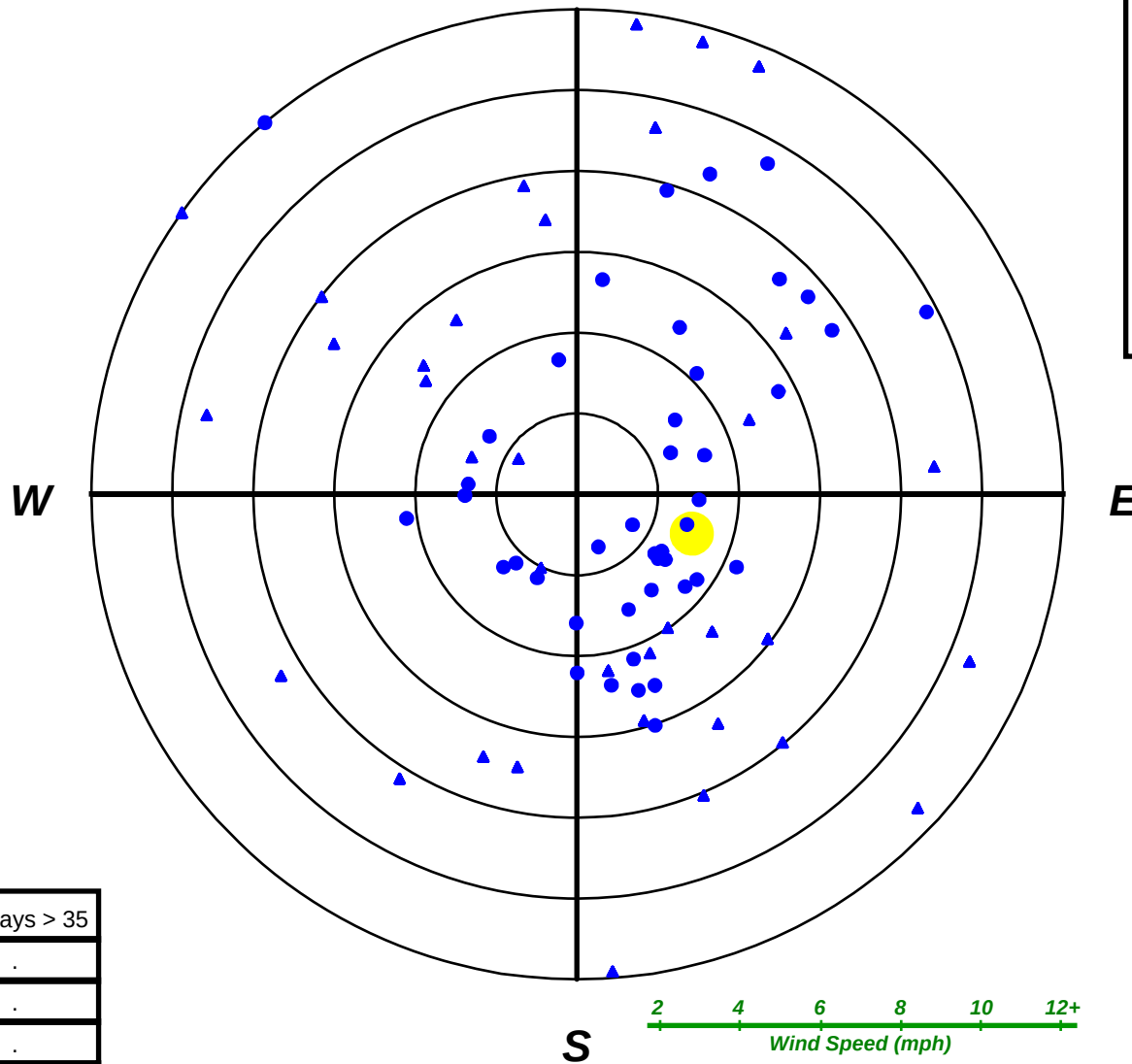
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	30.1	.
2006	.	.
2007	.	.
Design Value	30-inc-a	

No exceedances

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 4.3 miles away
LAFAYETTE_REGIONAL_AP (ID=13976)

Lafayette-Frankfort, IN [Lafayette County, LA]
Pollution Rose, 2005-2007

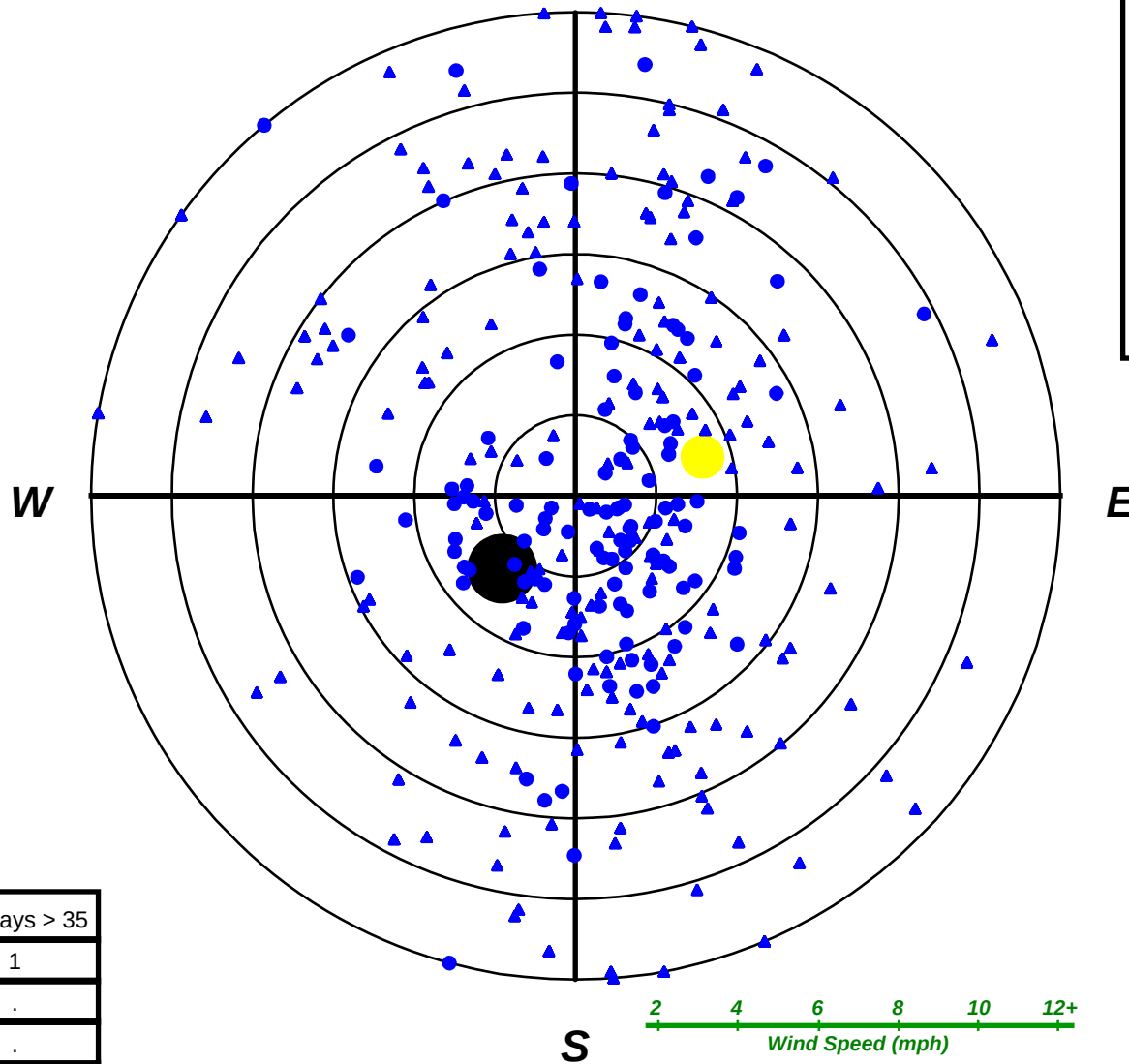
Site 220550006

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



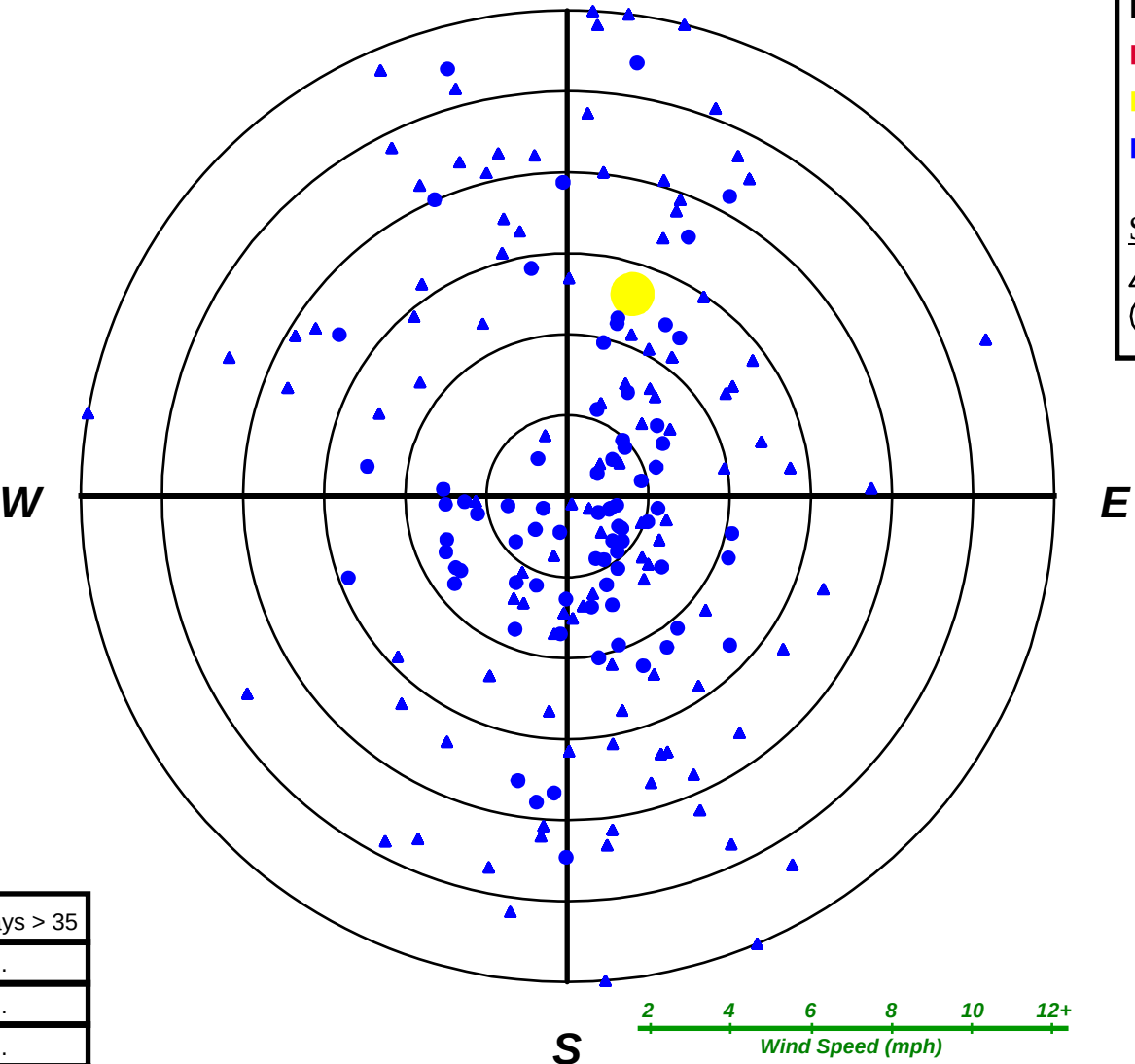
Year	98th %-ile	# days > 35
2005	25.7	1
2006	25.7	.
2007	21.9	.
Design Value	24-A	

All exceedances plotted

Meteorological data from 5.6 miles away
LAFAYETTE_REGIONAL_AP (ID=13976)

Lafayette-Frankfort, IN [Lafayette County, LA]
Pollution Rose, 2005-2007

Site 220550007



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

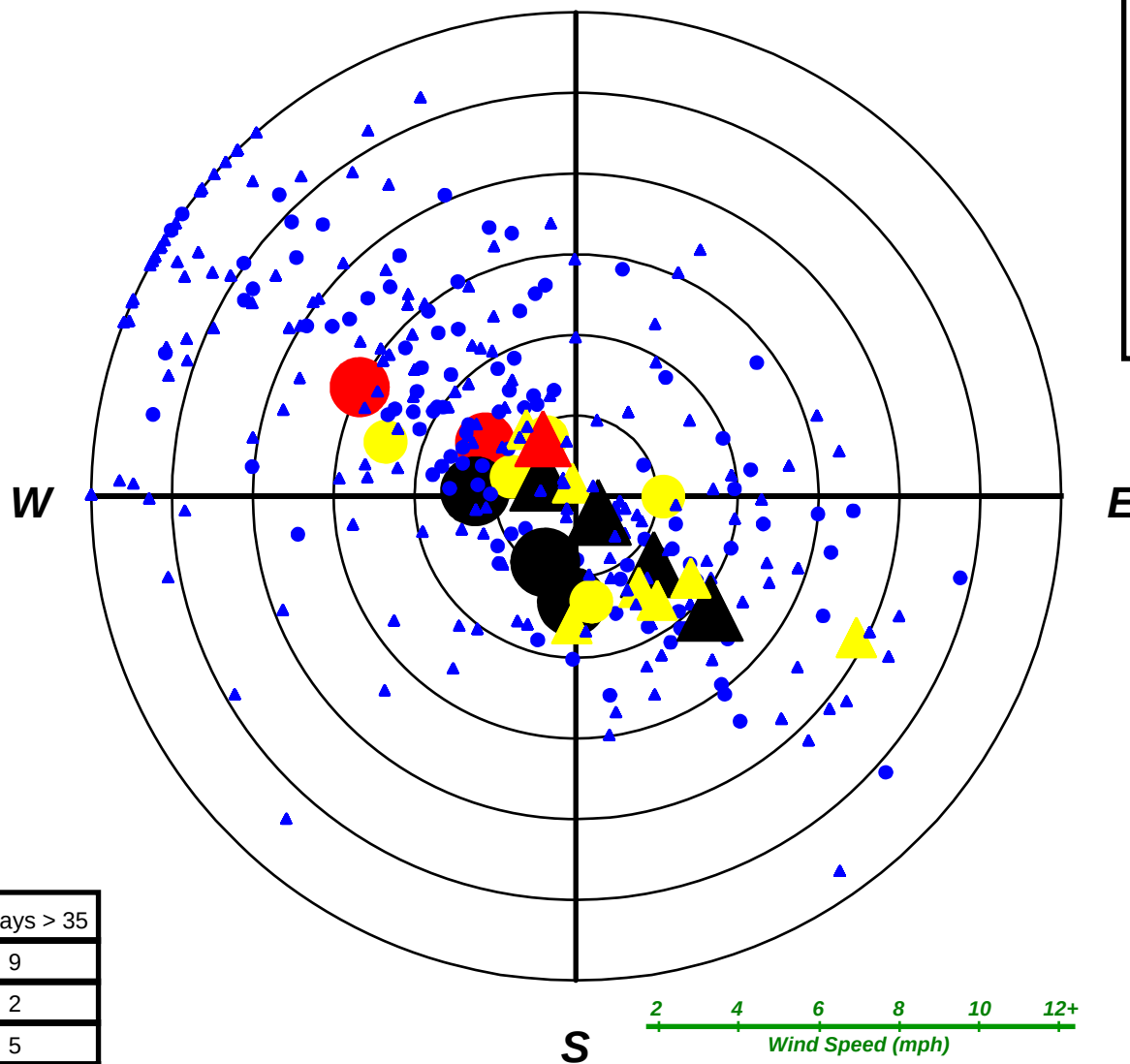
Year	98th %-ile	# days > 35
2005	.	.
2006	26.4	.
2007	23.3	.
Design Value	25-inc-a	

No exceedances

Meteorological data from 4.3 miles away
LAFAYETTE_REGIONAL_AP (ID=13976)

Lancaster, PA [Lancaster County, PA]
Pollution Rose, 2005-2007

Site 420710007



Year	98th %-ile	# days > 35
2005	45.2	9
2006	34.9	2
2007	39.6	5
Design Value	40-NA	

6 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 27.7 miles away
MIDDLETOWN_HARRISBURG_INTL_AP (ID=14711)

Libby, MT [Lincoln County, MT]
Pollution Rose, 2005-2007

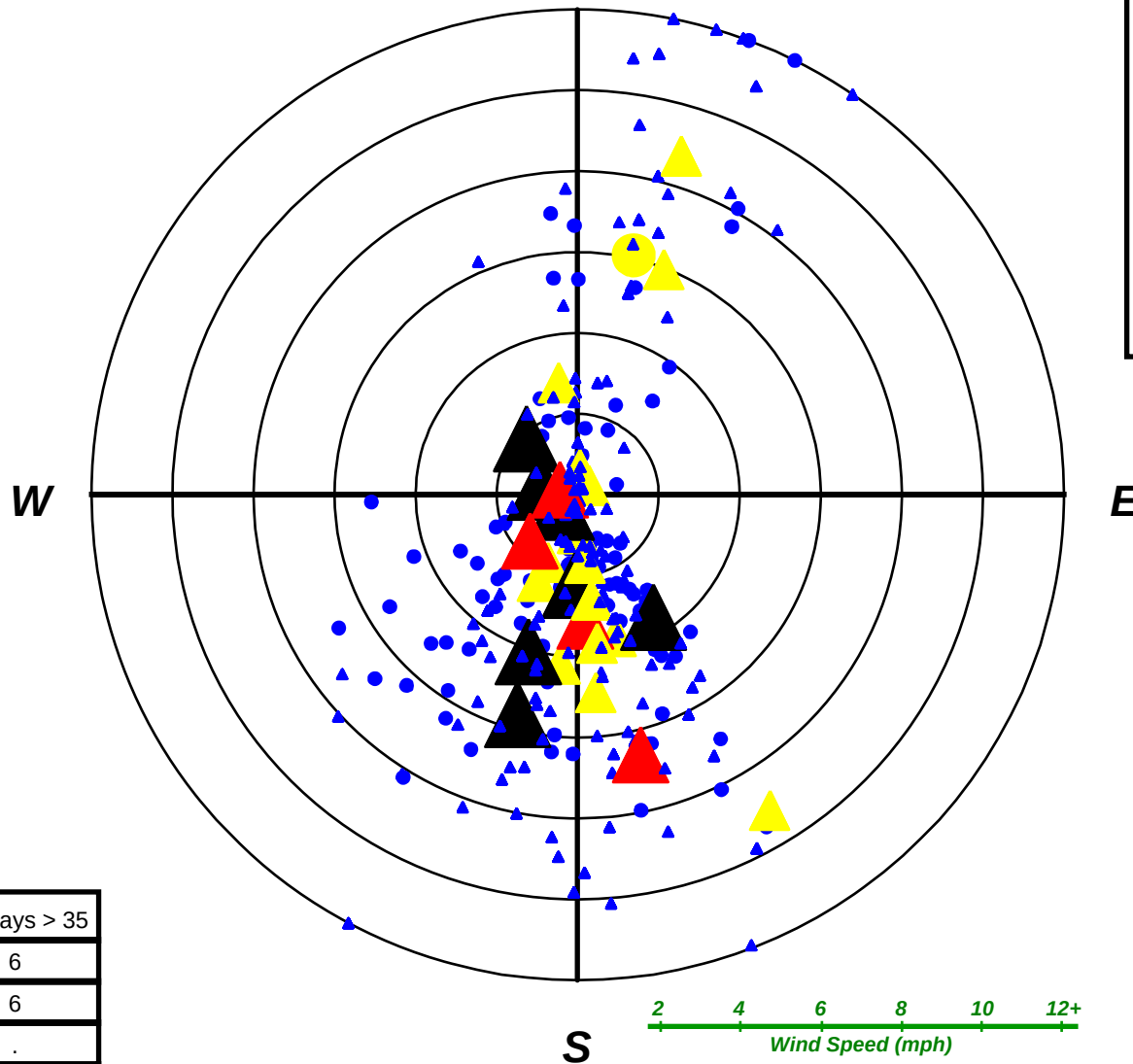
Site 300530018

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	51.1	6
2006	40.5	6
2007	32.2	.
Design Value	41-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 59.8 miles away
KALISPELL_GLACIER_PK_INT'L_AR (ID=24146)

Liberty-Clairton, PA [Allegheny County, PA]
Pollution Rose, 2005-2007

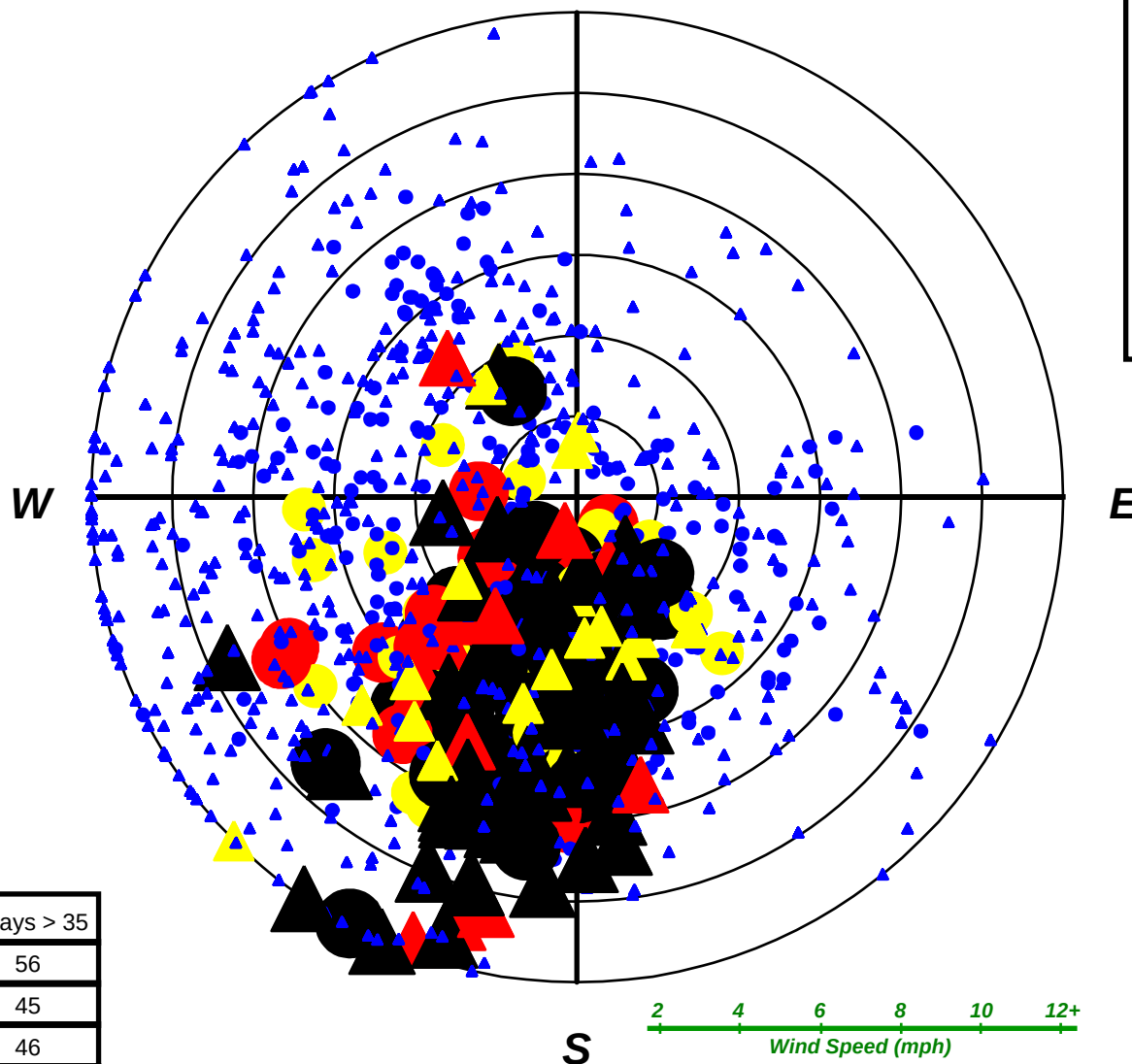
Site 420030064

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	69.6	56
2006	55.7	45
2007	54.7	46
Design Value	60-NA	

21 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 3.1 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)

Liberty-Clairton, PA [Allegheny County, PA]
Pollution Rose, 2005-2007

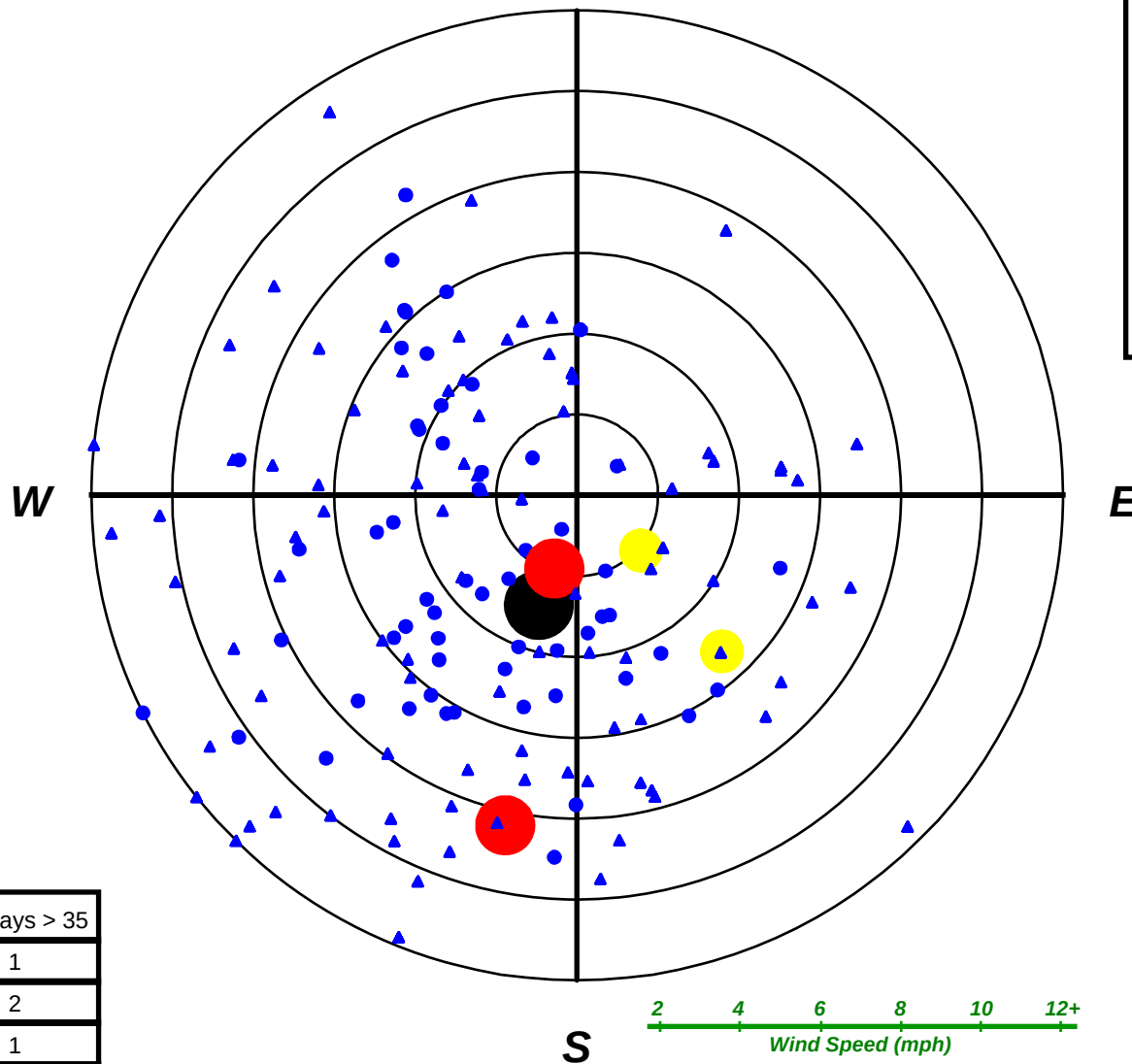
Site 420033007

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	30.9	1
2006	35.8	2
2007	35.0	1
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 4.2 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)

Logan, UT-ID [Franklin County, ID]
Pollution Rose, 2005-2007

Site 160410001

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

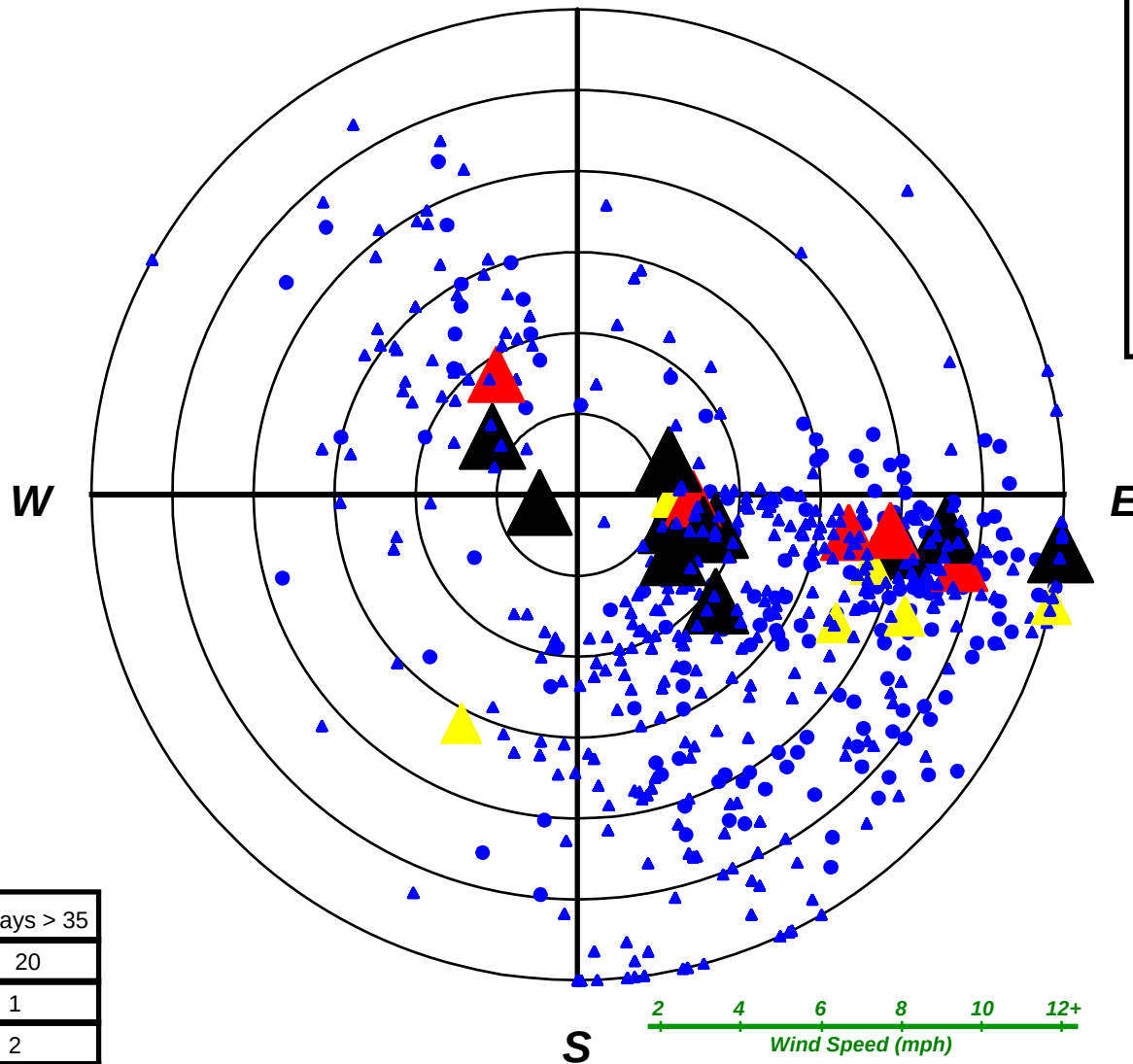
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	55.9	20
2006	27.1	1
2007	27.3	2
Design Value	37-NA	

7 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 62.5 miles away
OGDEN_HILL_AFB (ID=24101)

Logan, UT-ID [Franklin County, ID]
Pollution Rose, 2005-2007

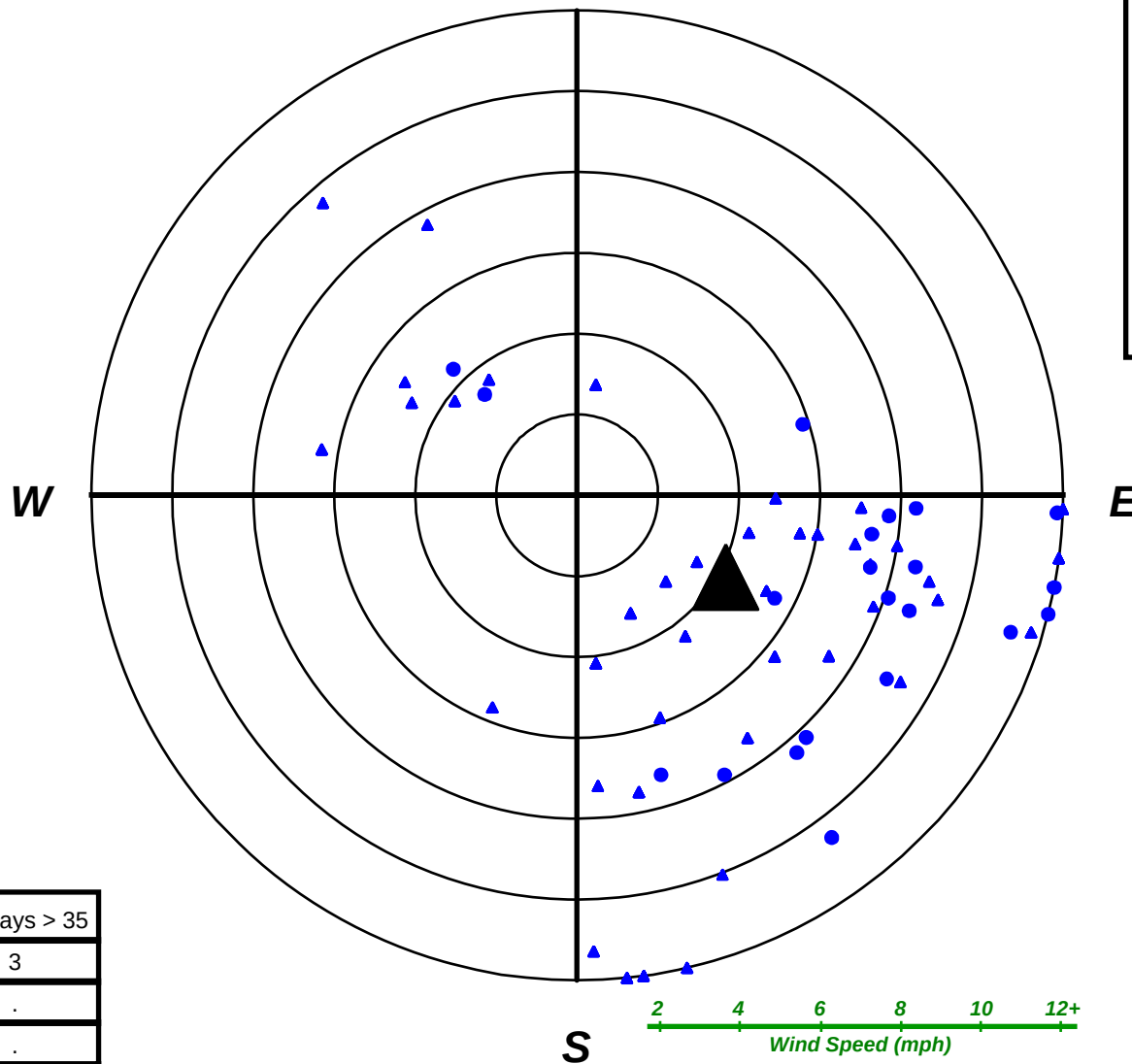
Site 160410002

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



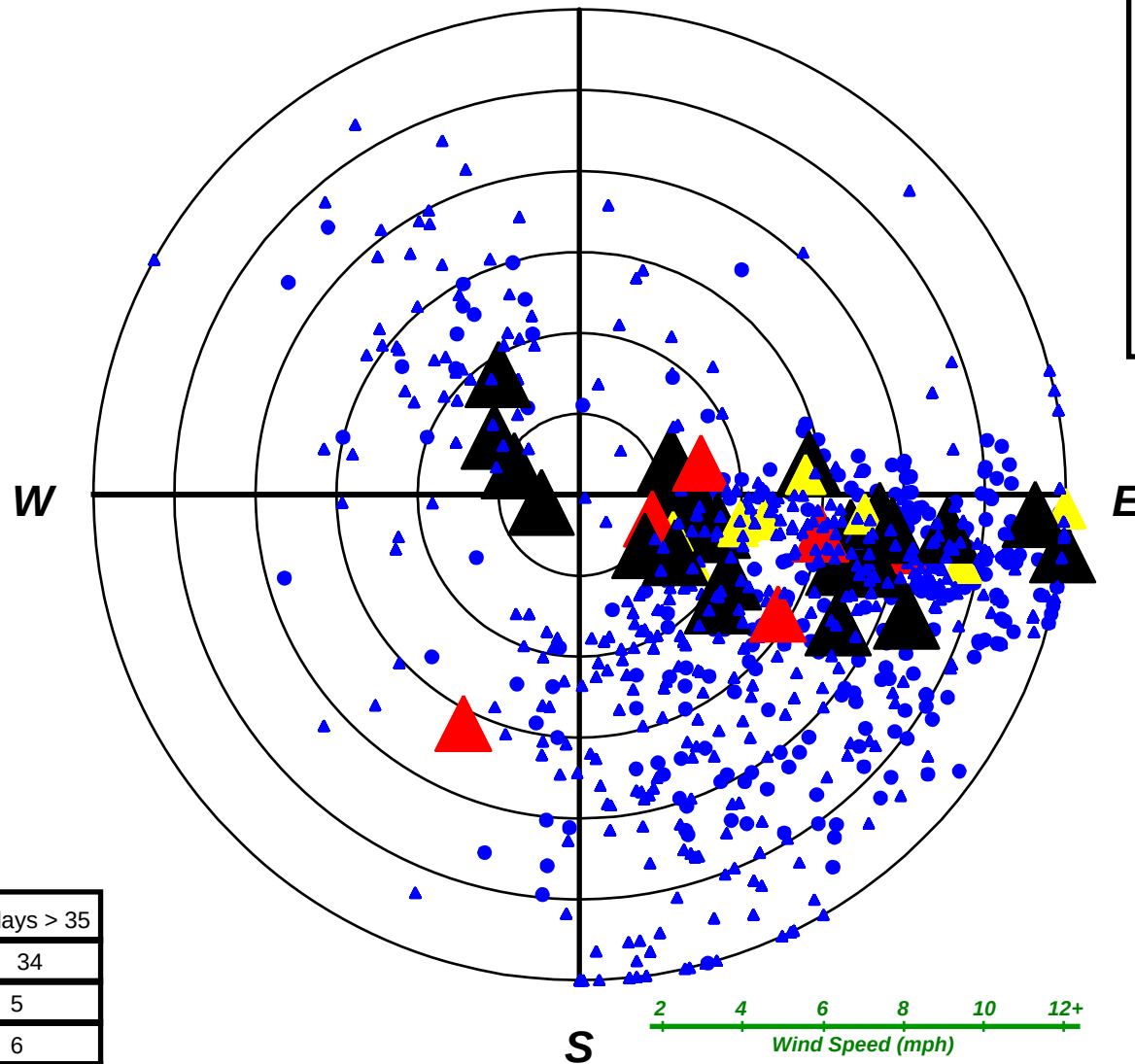
Year	98th %-ile	# days > 35
2005	74.9	3
2006	14.7	.
2007	.	.
Design Value	45-inc-na	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 66.9 miles away
OGDEN_HILL_AFB (ID=24101)

Logan, UT-ID [Cache County, UT]
Pollution Rose, 2005-2007

Site 490050004



Year	98th %-ile	# days > 35
2005	61.7	34
2006	29.2	5
2007	35.2	6
Design Value	42-NA	

12 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 43.0 miles away
OGDEN_HILL_AFB (ID=24101)

Logan, UT-ID [Cache County, UT]
Pollution Rose, 2005-2007

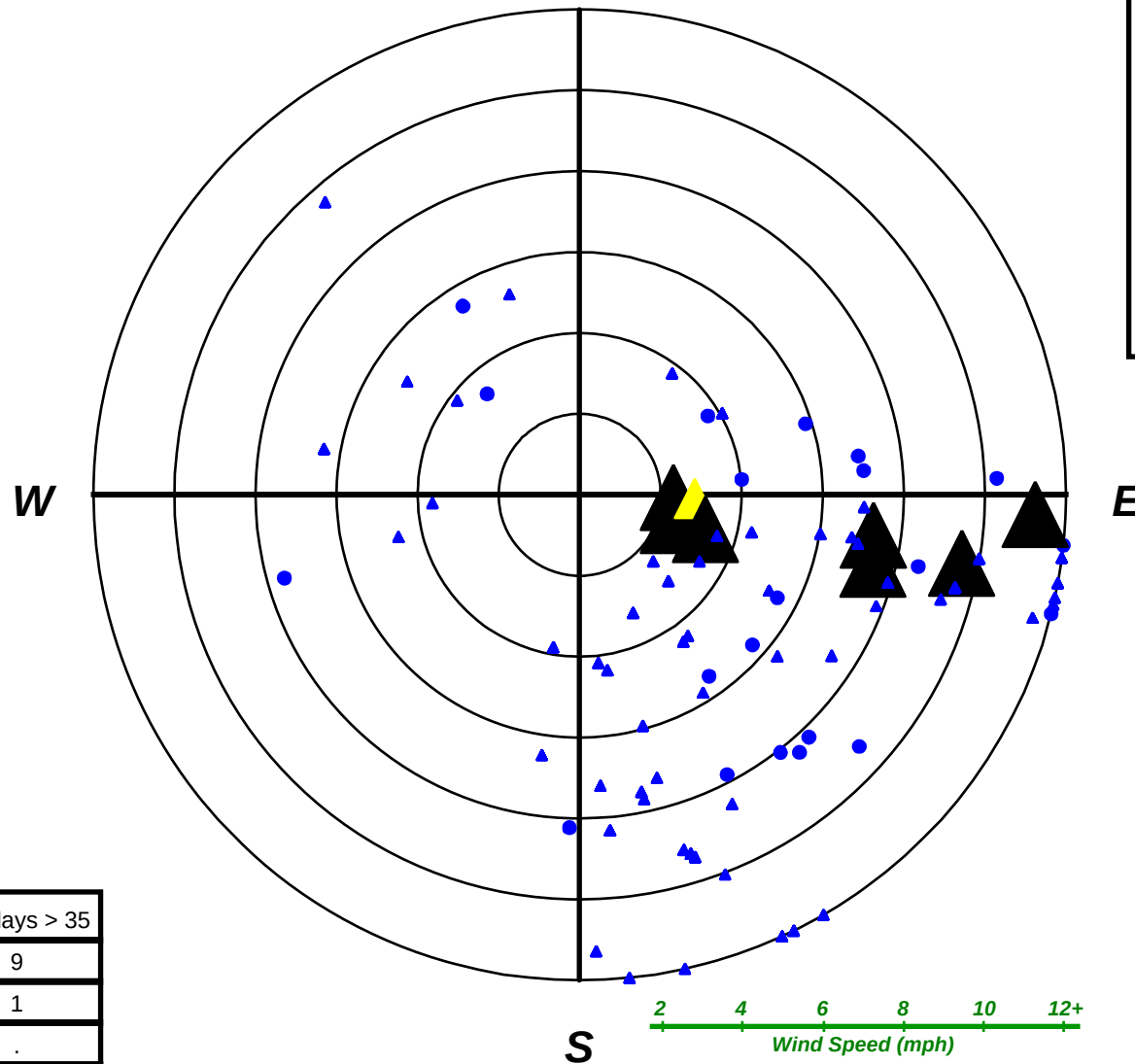
Site 490050005

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	61.7	9
2006	43.2	1
2007	.	.
Design Value	52-inc-na	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 51.4 miles away
OGDEN_HILL_AFB (ID=24101)

Logan, UT-ID [Cache County, UT]
Pollution Rose, 2005-2007

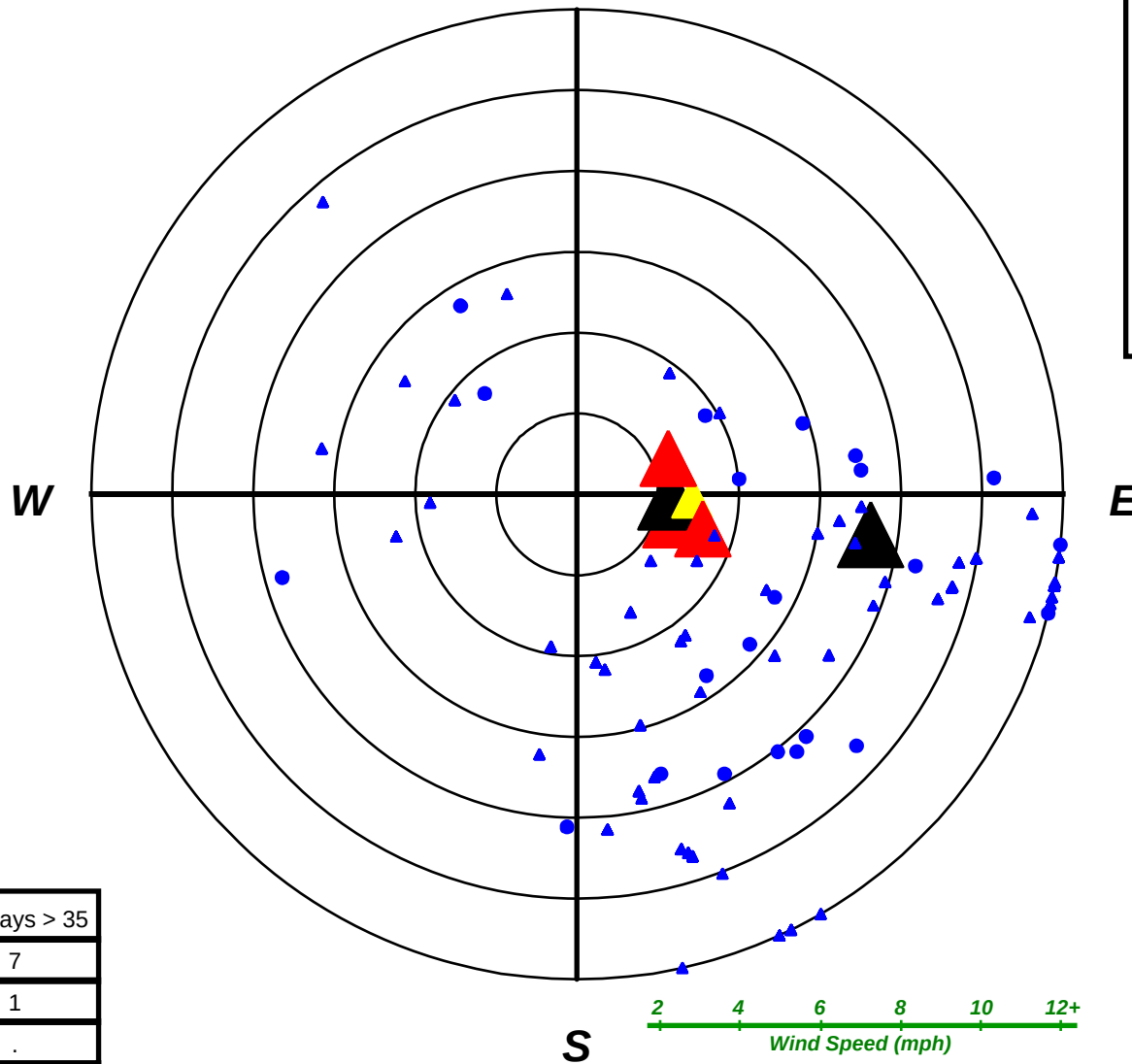
Site 490050006

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



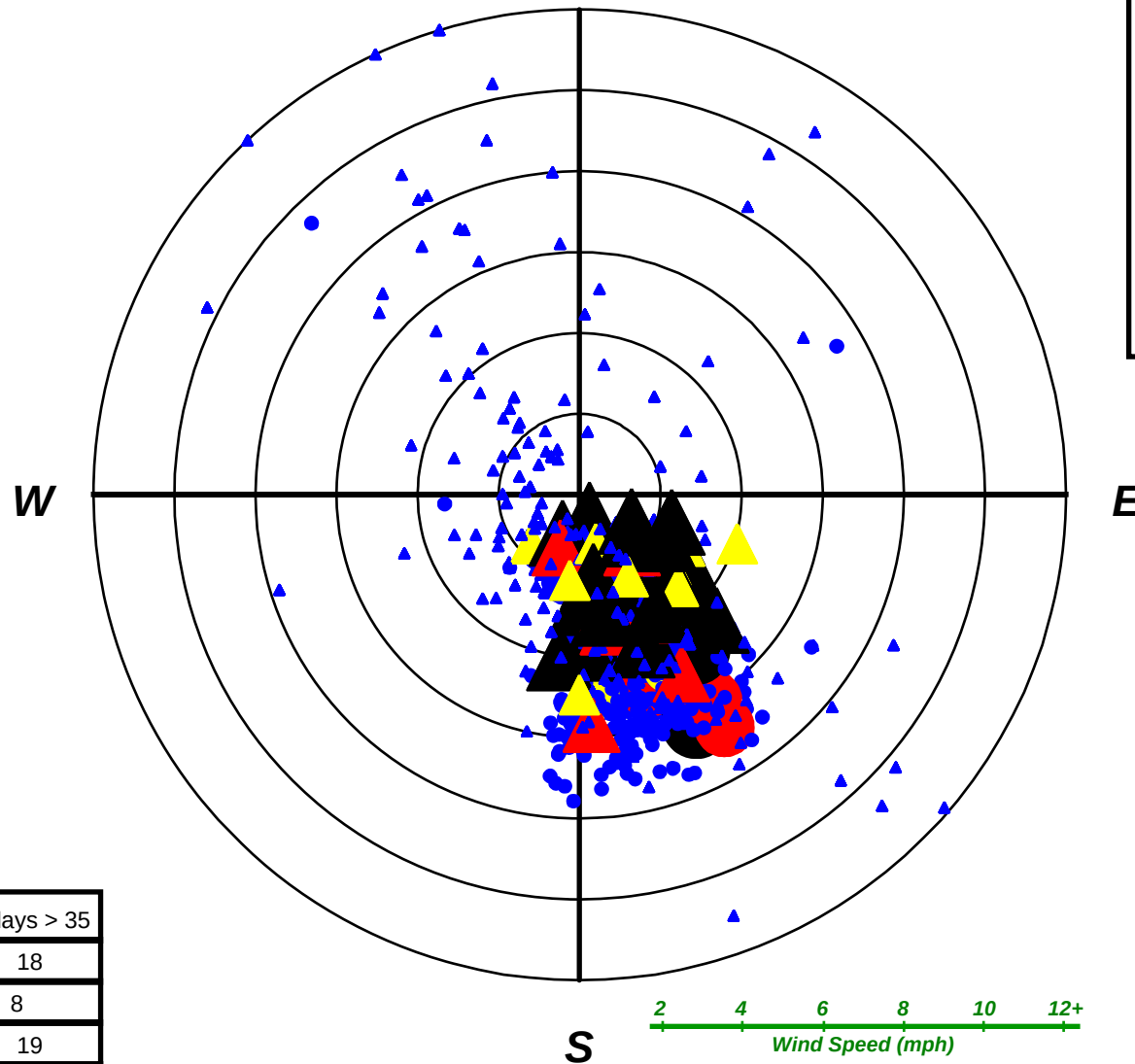
Year	98th %-ile	# days > 35
2005	47.8	7
2006	46.5	1
2007	.	.
Design Value	47-inc-na	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 36.2 miles away
OGDEN_HILL_AFB (ID=24101)

**Los Angeles-South Coast Air Basin, CA [Los Angeles County, CA]
Pollution Rose, 2005-2007**

Site 060370002



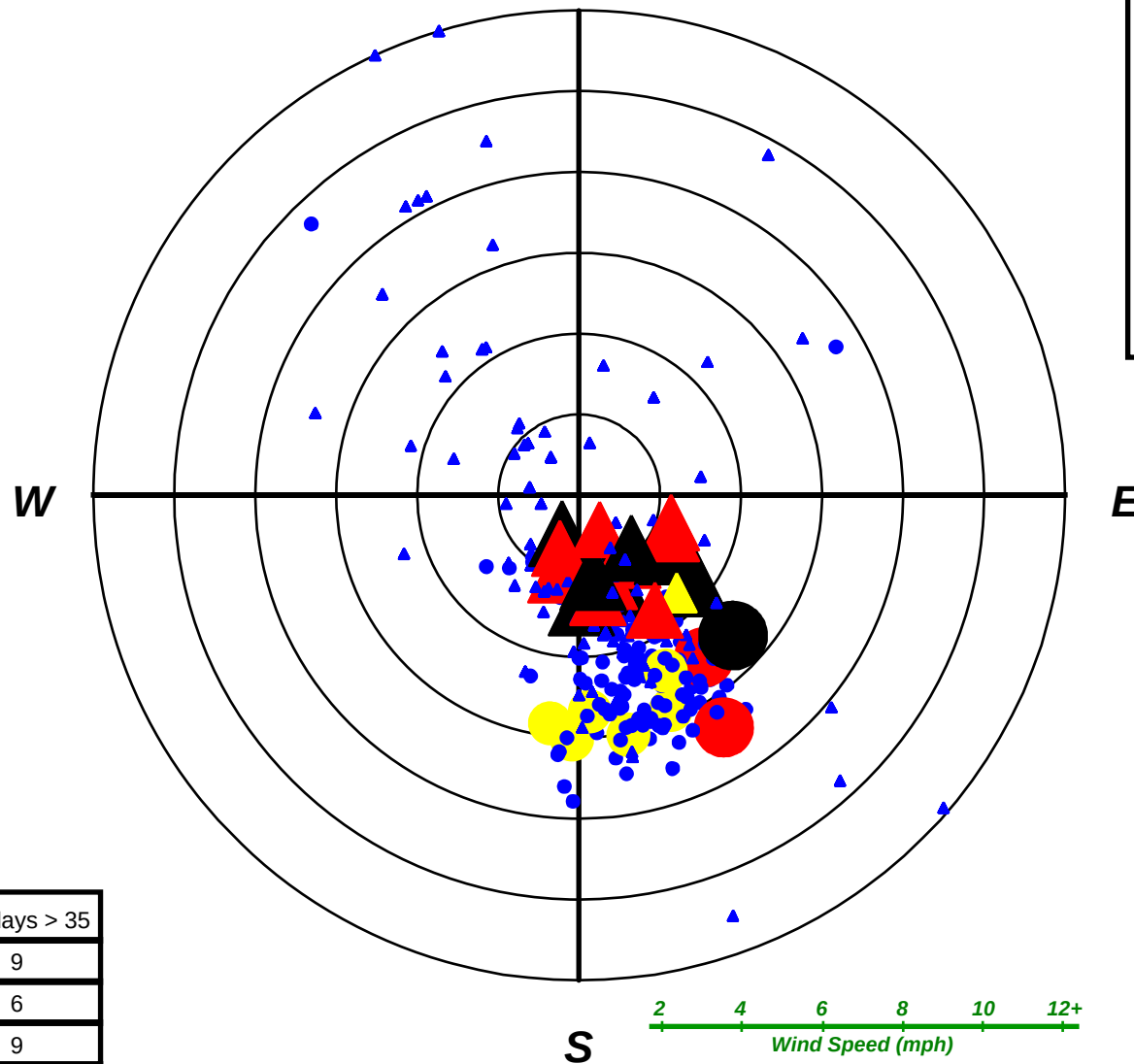
Year	98th %-ile	# days > 35
2005	53.2	18
2006	38.4	8
2007	49.2	19
Design Value	47-NA	

3 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 24.8 miles away
BURBANK-GLENDALE-PASSADENA_AP (ID=23152)*

Los Angeles-South Coast Air Basin, CA [Los Angeles County, CA]
Pollution Rose, 2005-2007

Site 060371002



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

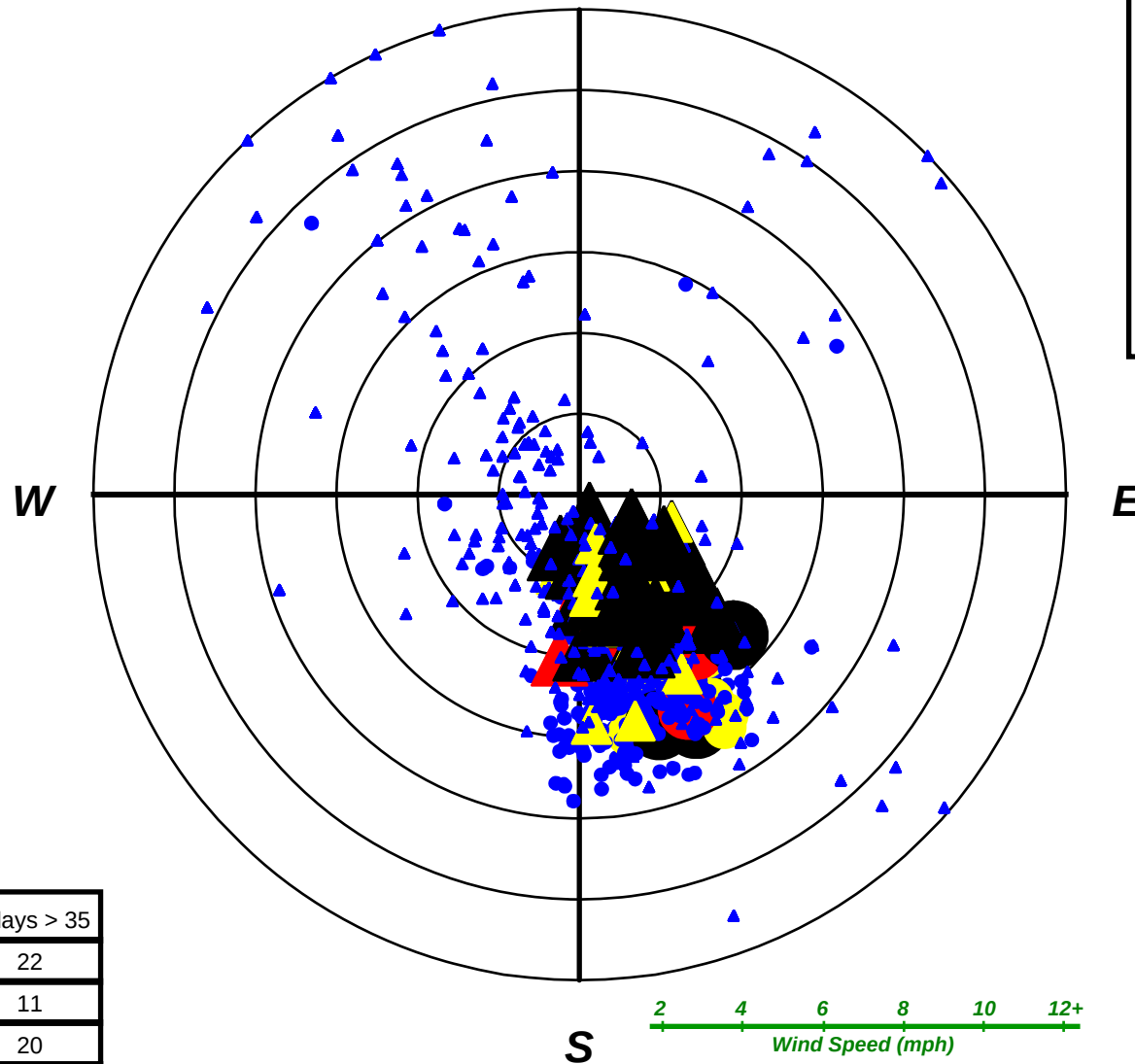
Year	98th %-ile	# days > 35
2005	50.5	9
2006	43.4	6
2007	50.3	9
Design Value	48-NA	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.5 miles away
BURBANK-GLENDALE-PASSADENA_AP (ID=23152)

Los Angeles-South Coast Air Basin, CA [Los Angeles County, CA]
Pollution Rose, 2005-2007

Site 060371103



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	53.3	22
2006	38.9	11
2007	51.2	20
Design Value	48-NA	

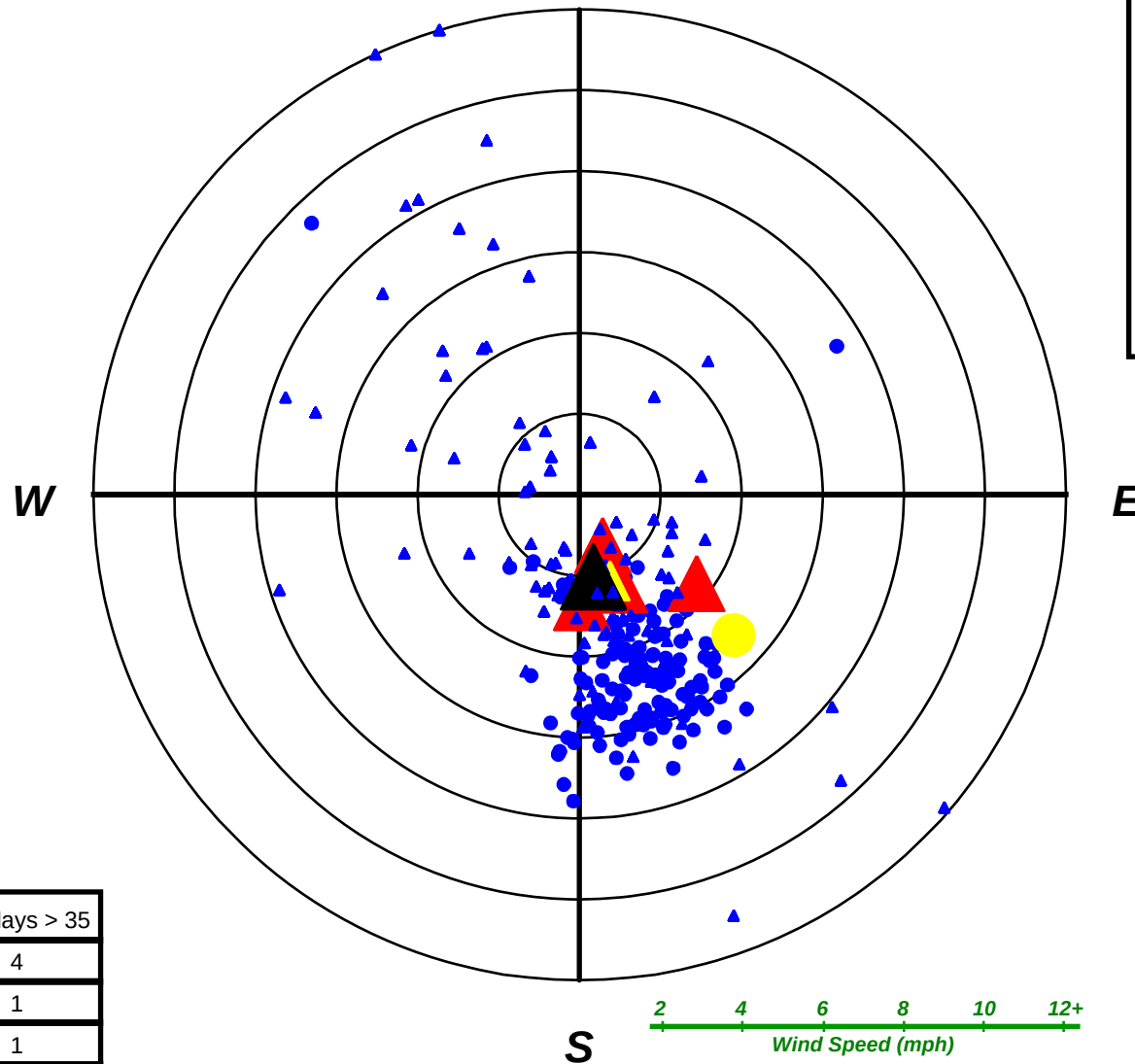
8 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 11.6 miles away
BURBANK-GLENDALE-PASSADENA_AP (ID=23152)

**Los Angeles-South Coast Air Basin, CA [Los Angeles County, CA]
Pollution Rose, 2005-2007**

Site 060371201



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	35.7	4
2006	31.9	1
2007	33.3	1
Design Value	34-inc-a	

1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 10.5 miles away
BURBANK-GLENDALE-PASSADENA_AP (ID=23152)*

**Los Angeles-South Coast Air Basin, CA [Los Angeles County, CA]
Pollution Rose, 2005-2007**

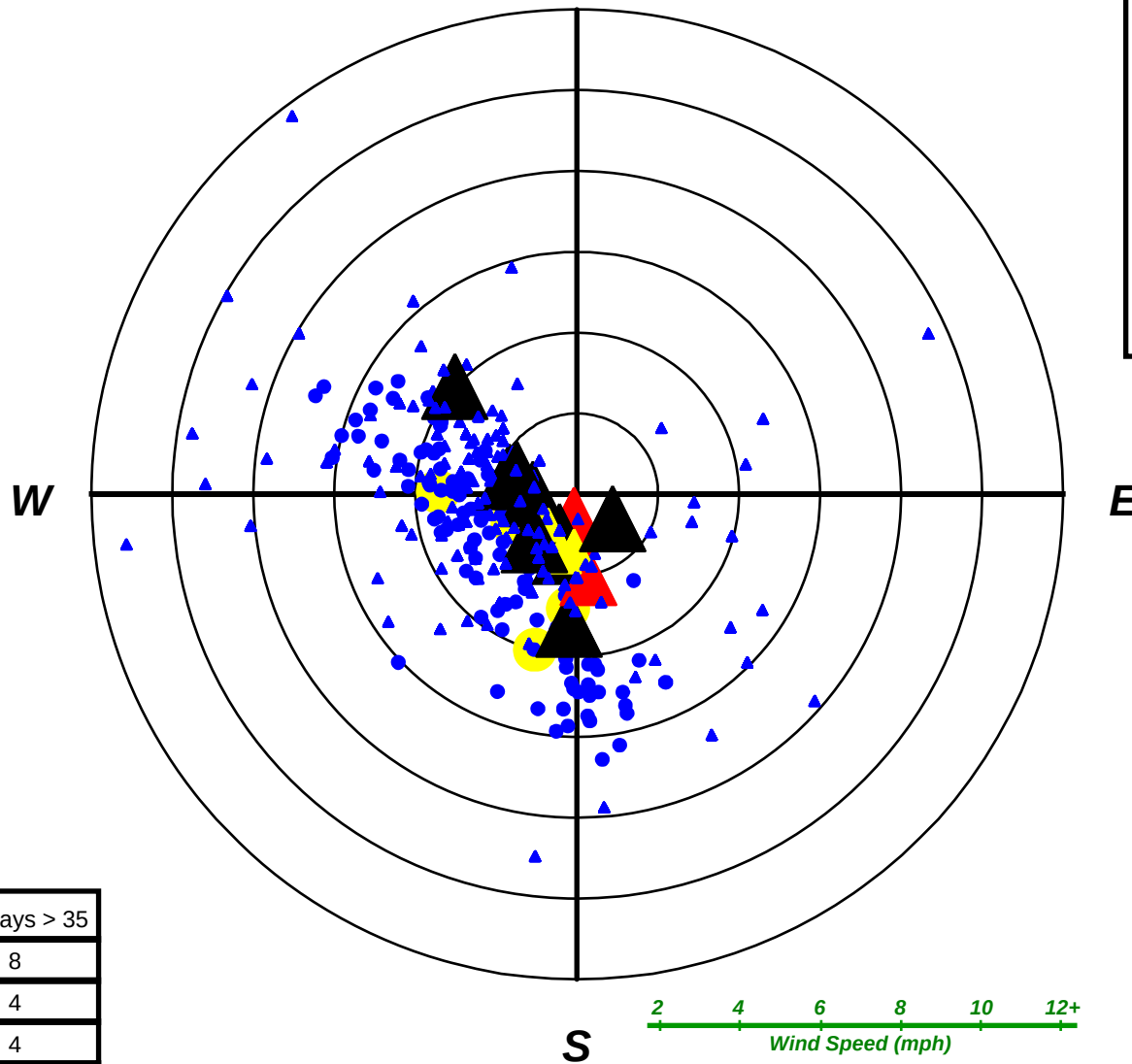
Site 060371301

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



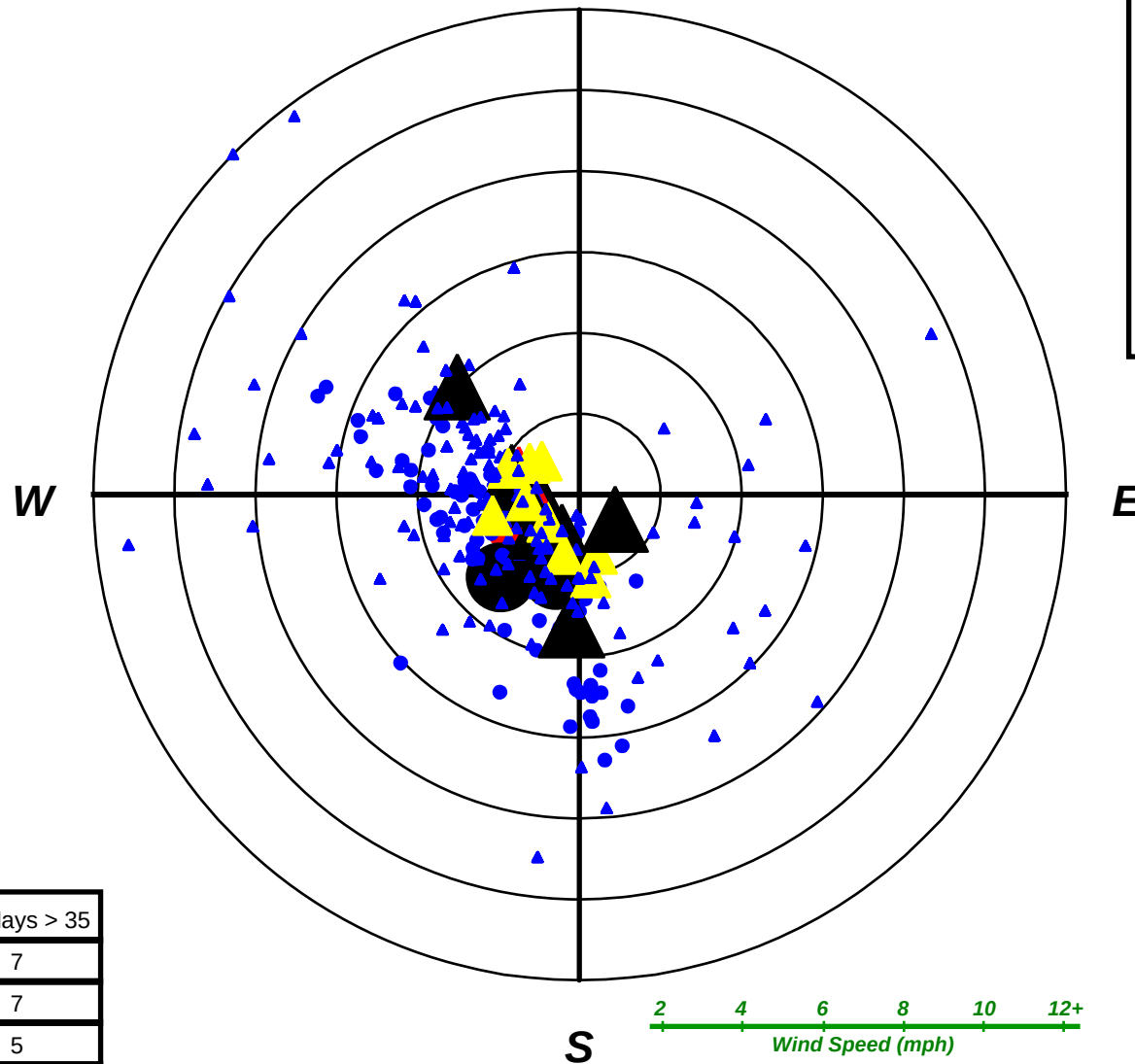
Year	98th %-ile	# days > 35
2005	48.4	8
2006	44.4	4
2007	46.0	4
Design Value	46-NA	

4 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 7.1 miles away
LONG_BEACH_DAUGHERTY_FLD (ID=23129)*

Los Angeles-South Coast Air Basin, CA [Los Angeles County, CA]
Pollution Rose, 2005-2007

Site 060371602



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	53.9	7
2006	43.0	7
2007	49.5	5
Design Value	49-NA	

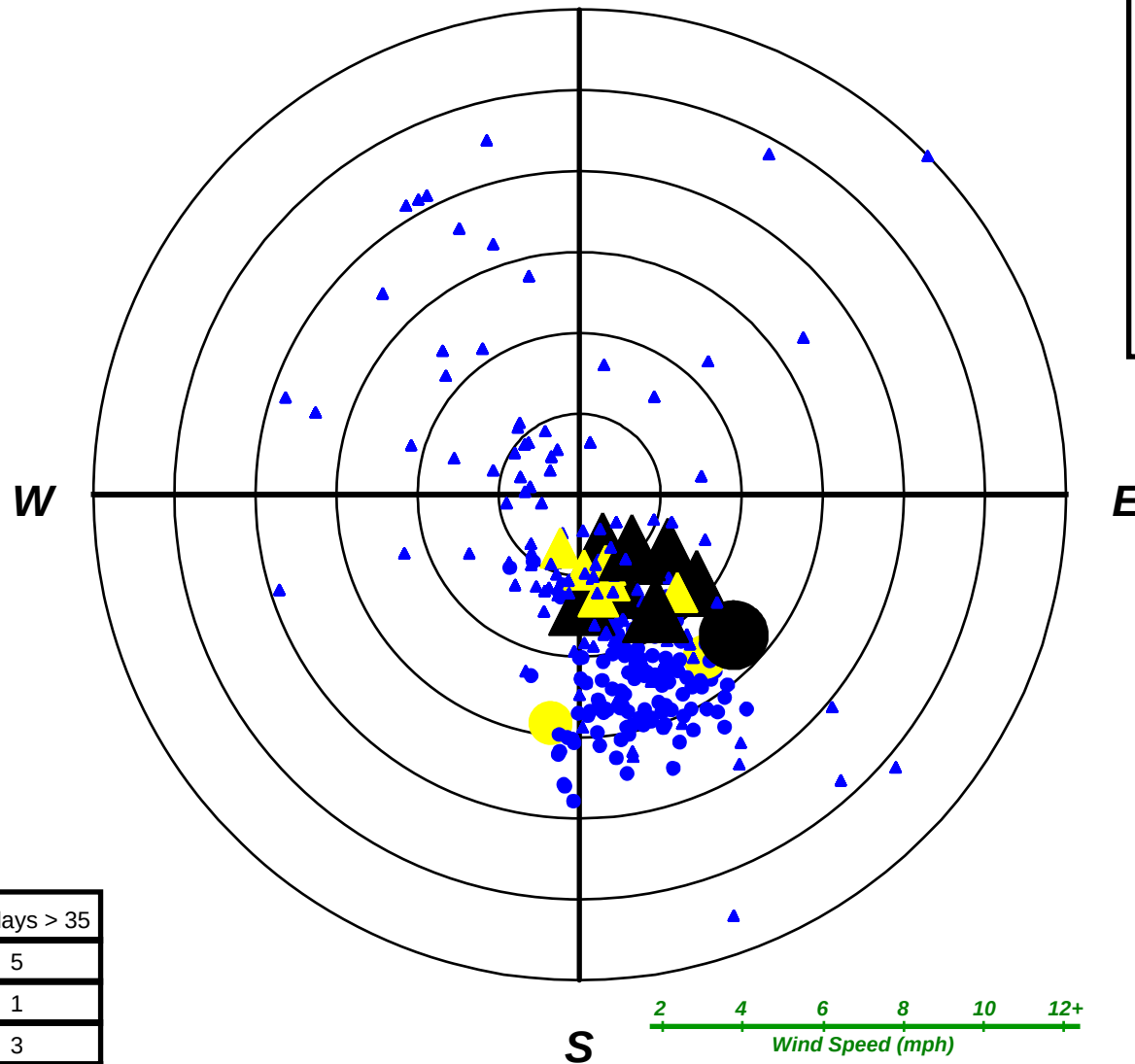
7 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 13.6 miles away
LONG_BEACH_DAUGHERTY_FLD (ID=23129)

Los Angeles-South Coast Air Basin, CA [Los Angeles County, CA]
Pollution Rose, 2005-2007

Site 060372005



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	43.0	5
2006	32.0	1
2007	45.4	3
Design Value	40-NA	

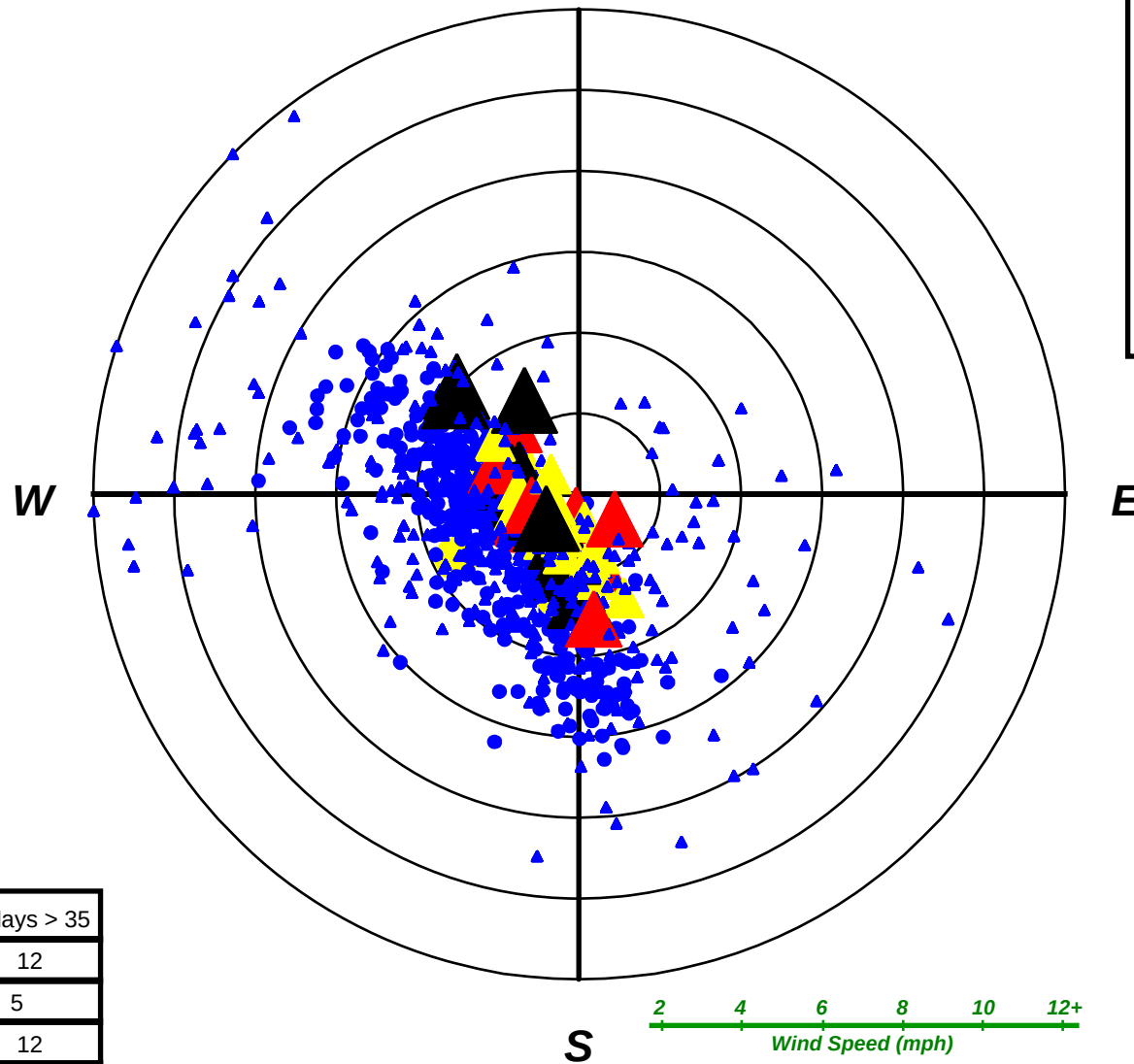
1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 13.6 miles away
BURBANK-GLENDALE-PASSADENA_AP (ID=23152)

Los Angeles-South Coast Air Basin, CA [Los Angeles County, CA]
Pollution Rose, 2005-2007

Site 060374002



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	41.4	12
2006	34.9	5
2007	40.7	12
Design Value	39-NA	

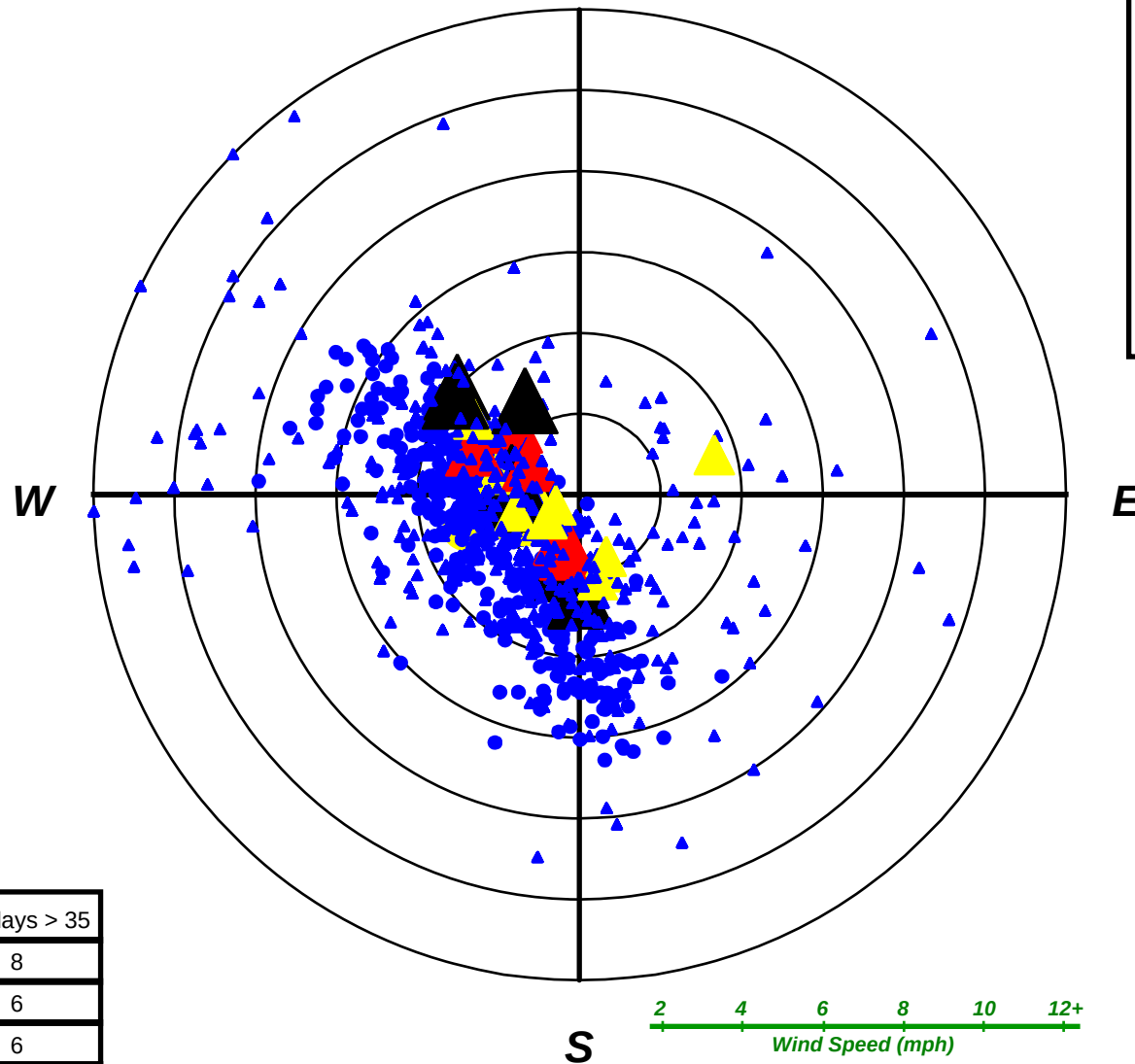
7 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 1.4 miles away
LONG_BEACH_DAUGHERTY_FLD (ID=23129)

Los Angeles-South Coast Air Basin, CA [Los Angeles County, CA]
Pollution Rose, 2005-2007

Site 060374004



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

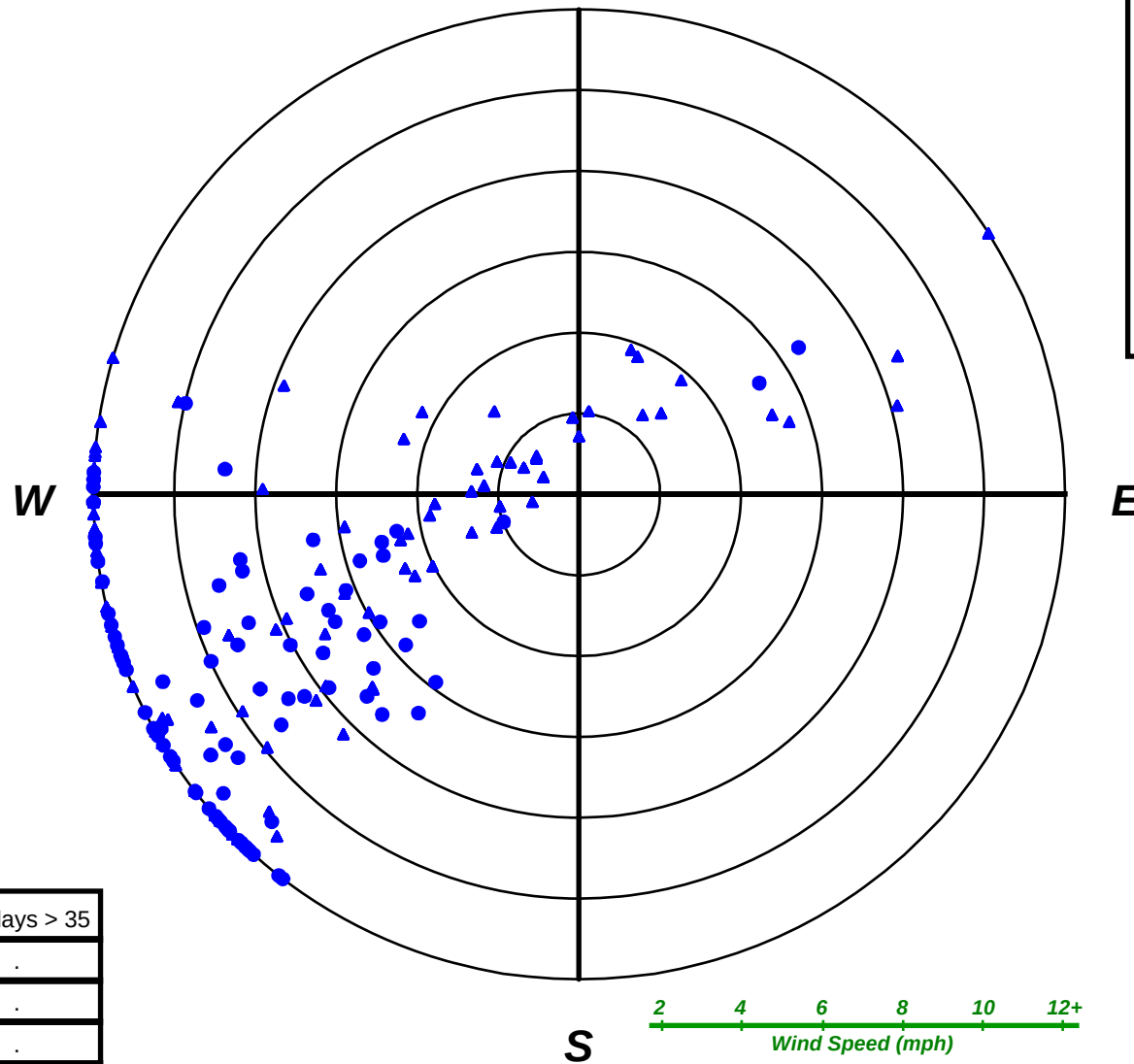
Year	98th %-ile	# days > 35
2005	37.7	8
2006	35.2	6
2007	33.7	6
Design Value	36-NA	

5 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.9 miles away
LONG_BEACH_DAUGHERTY_FLD (ID=23129)

**Los Angeles-South Coast Air Basin, CA [Los Angeles County, CA]
Pollution Rose, 2005-2007**

Site 060379033



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

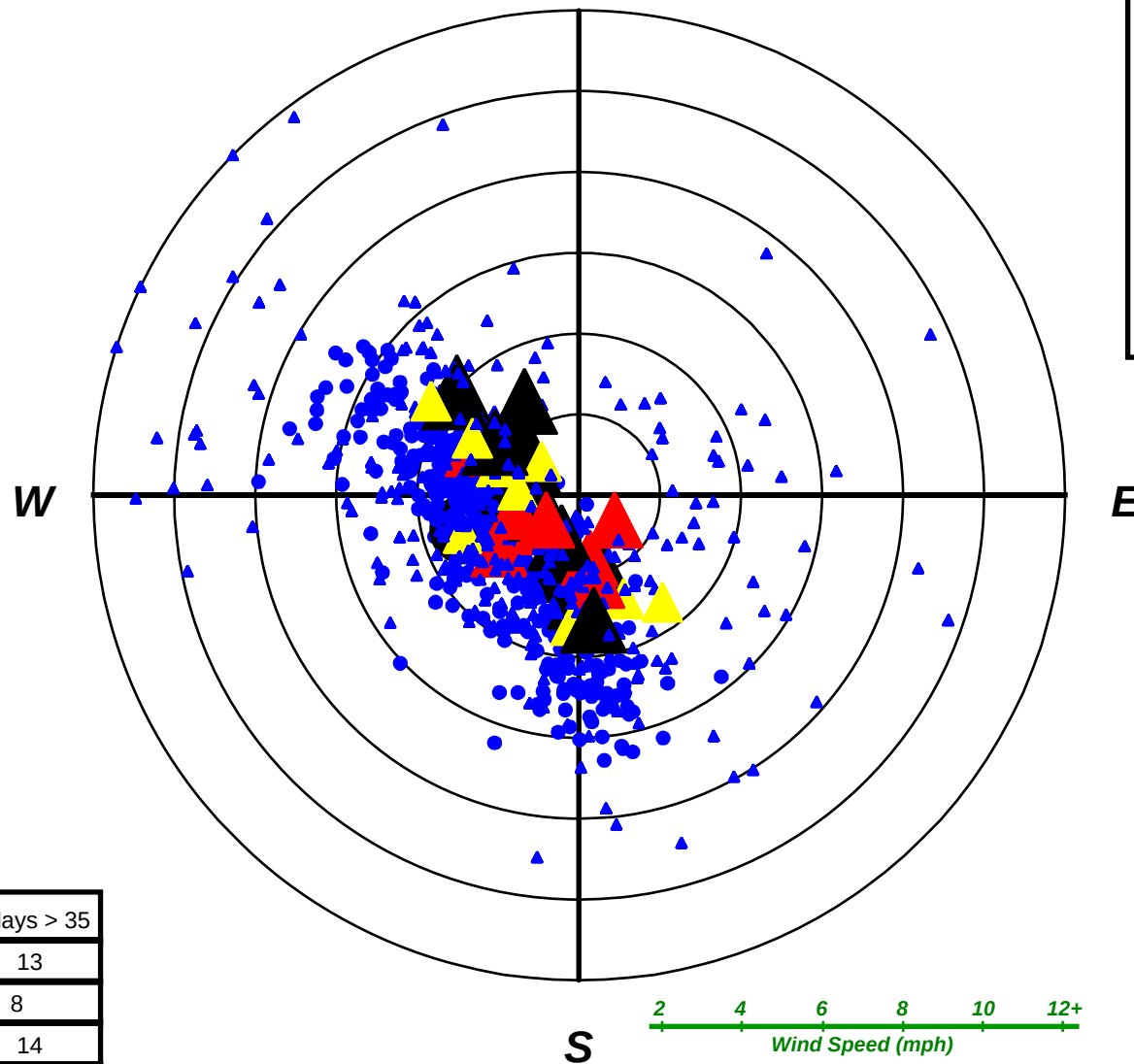
Year	98th %-ile	# days > 35
2005	17.0	.
2006	13.0	.
2007	20.0	.
Design Value	17-A	

No exceedances

*Meteorological data from 6.5 miles away
LANCASTER_GEN_WM_FOX_FIELD (ID= 3159)*

**Los Angeles-South Coast Air Basin, CA [Orange County, CA]
Pollution Rose, 2005-2007**

Site 060590007



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

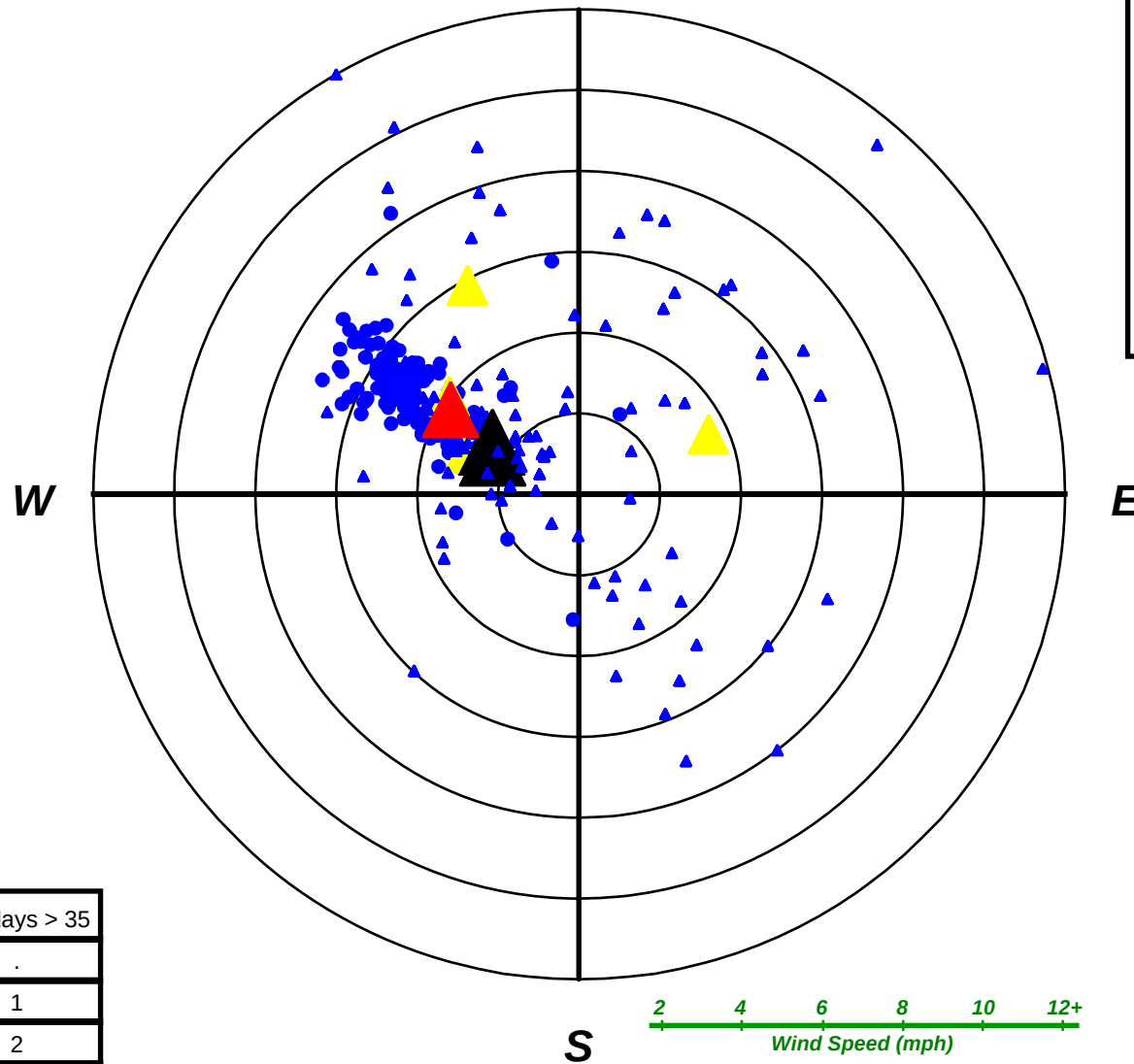
Year	98th %-ile	# days > 35
2005	41.8	13
2006	40.5	8
2007	46.5	14
Design Value	43-NA	

7 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 13.1 miles away
LONG_BEACH_DAUGHERTY_FLD (ID=23129)

Los Angeles-South Coast Air Basin, CA [Orange County, CA]
Pollution Rose, 2005-2007

Site 060592022



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	31.4	.
2006	25.7	1
2007	35.7	2
Design Value	31-inc-a	

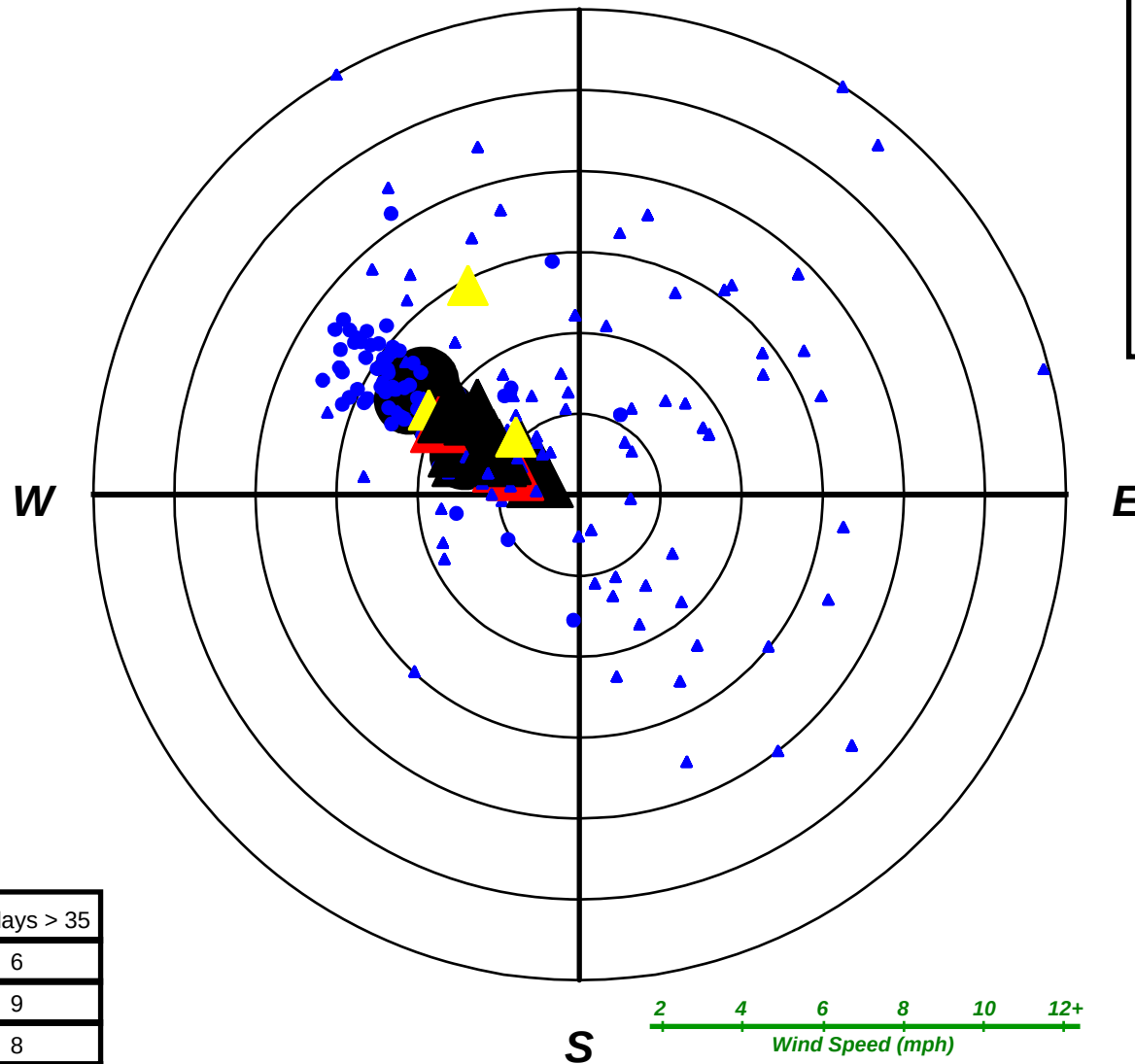
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 30.8 miles away
MARCH_AFB (ID=23119)

**Los Angeles-South Coast Air Basin, CA [Riverside County, CA]
Pollution Rose, 2005-2007**

Site 060651003



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

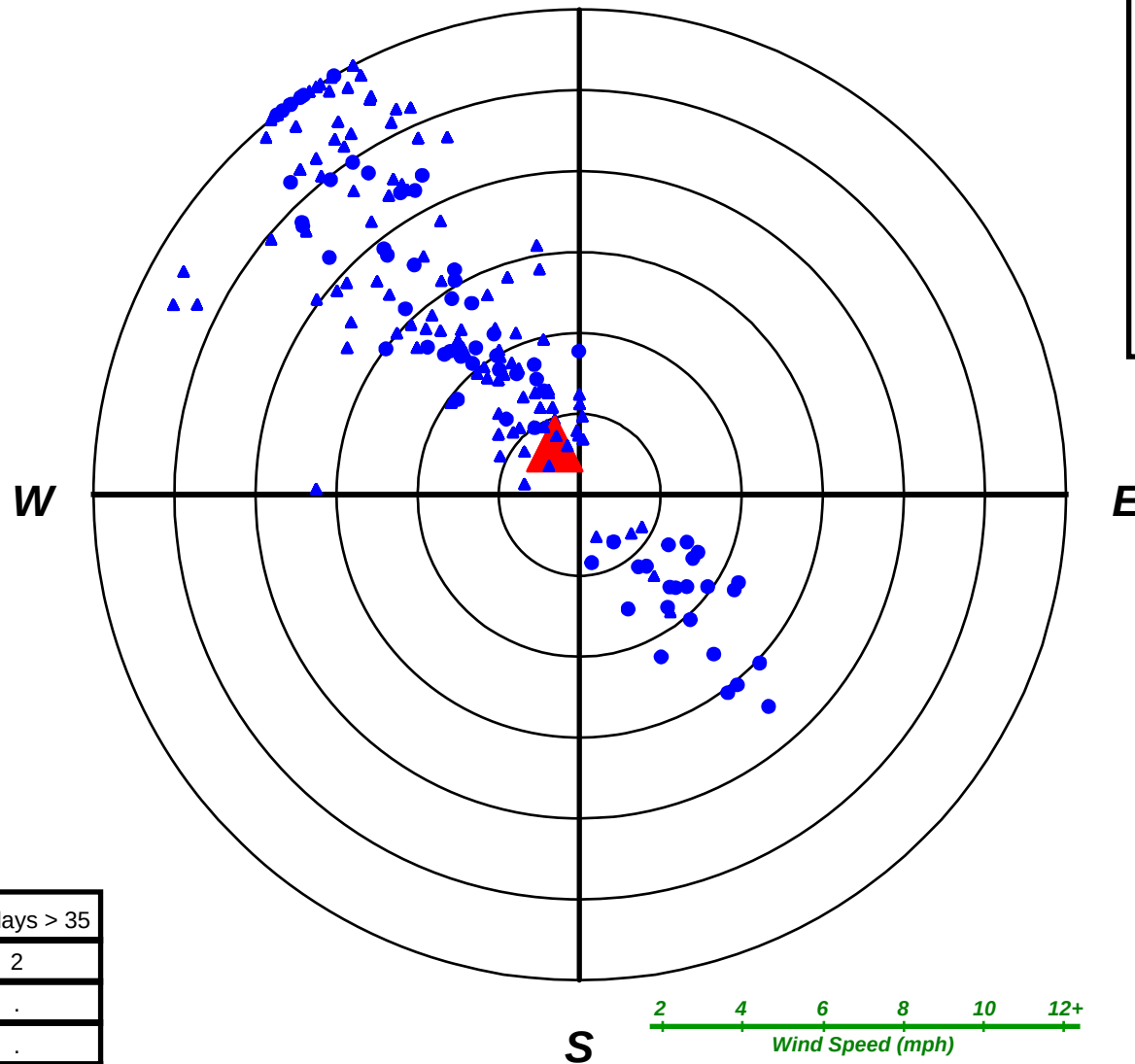
Year	98th %-ile	# days > 35
2005	41.0	6
2006	47.7	9
2007	58.0	8
Design Value	49-NA	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 9.2 miles away
MARCH_AFB (ID=23119)

**Los Angeles-South Coast Air Basin, CA [Riverside County, CA]
Pollution Rose, 2005-2007**

Site 060652002



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	25.0	2
2006	19.0	.
2007	26.5	.
Design Value	24-A	

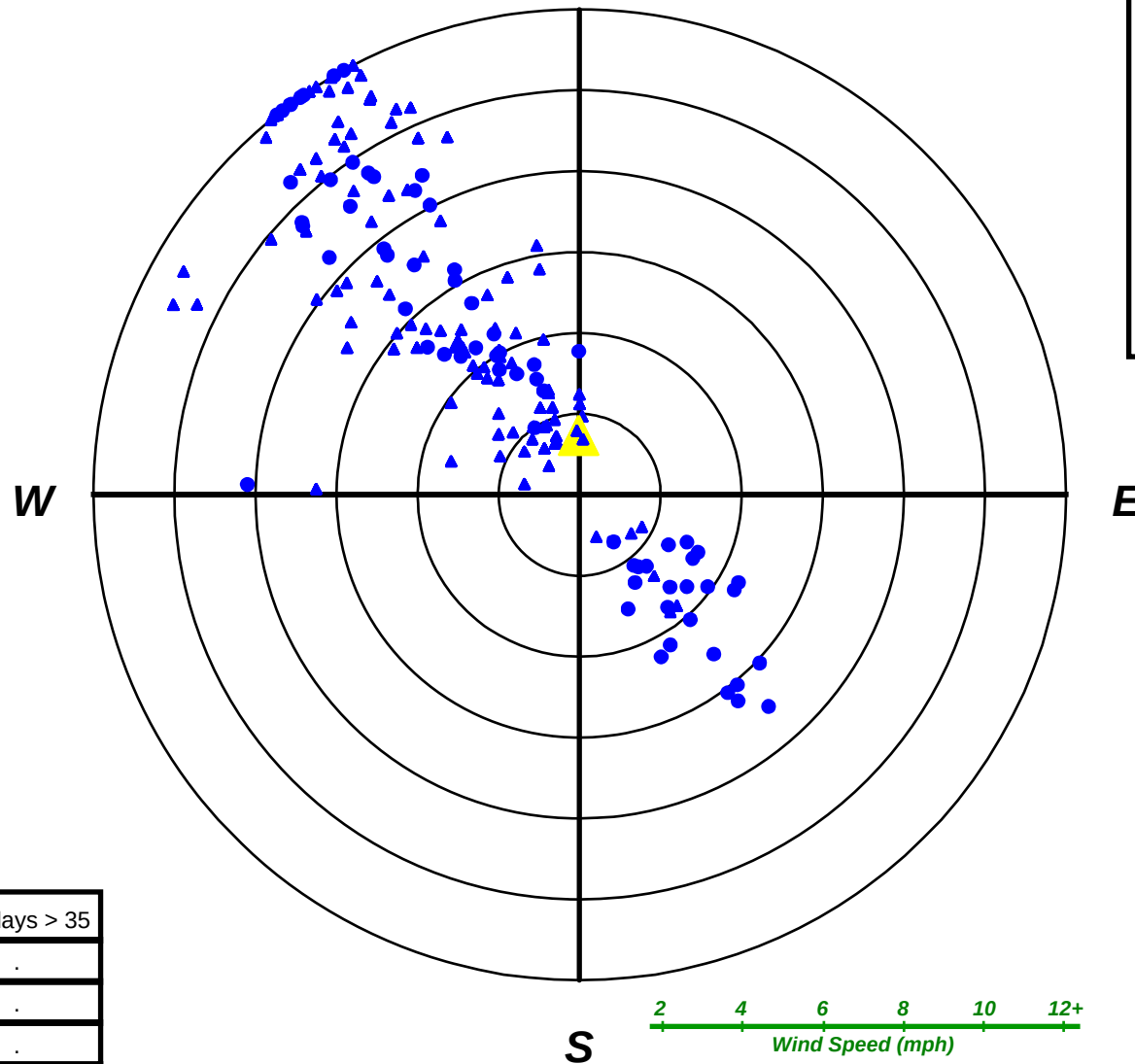
1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 5.9 miles away
PALM_SPRINGS_THERMAL_AP (ID= 3104)*

Los Angeles-South Coast Air Basin, CA [Riverside County, CA]
Pollution Rose, 2005-2007

Site 060655001



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	25.0	.
2006	15.8	.
2007	20.5	.
Design Value	20-inc-a	

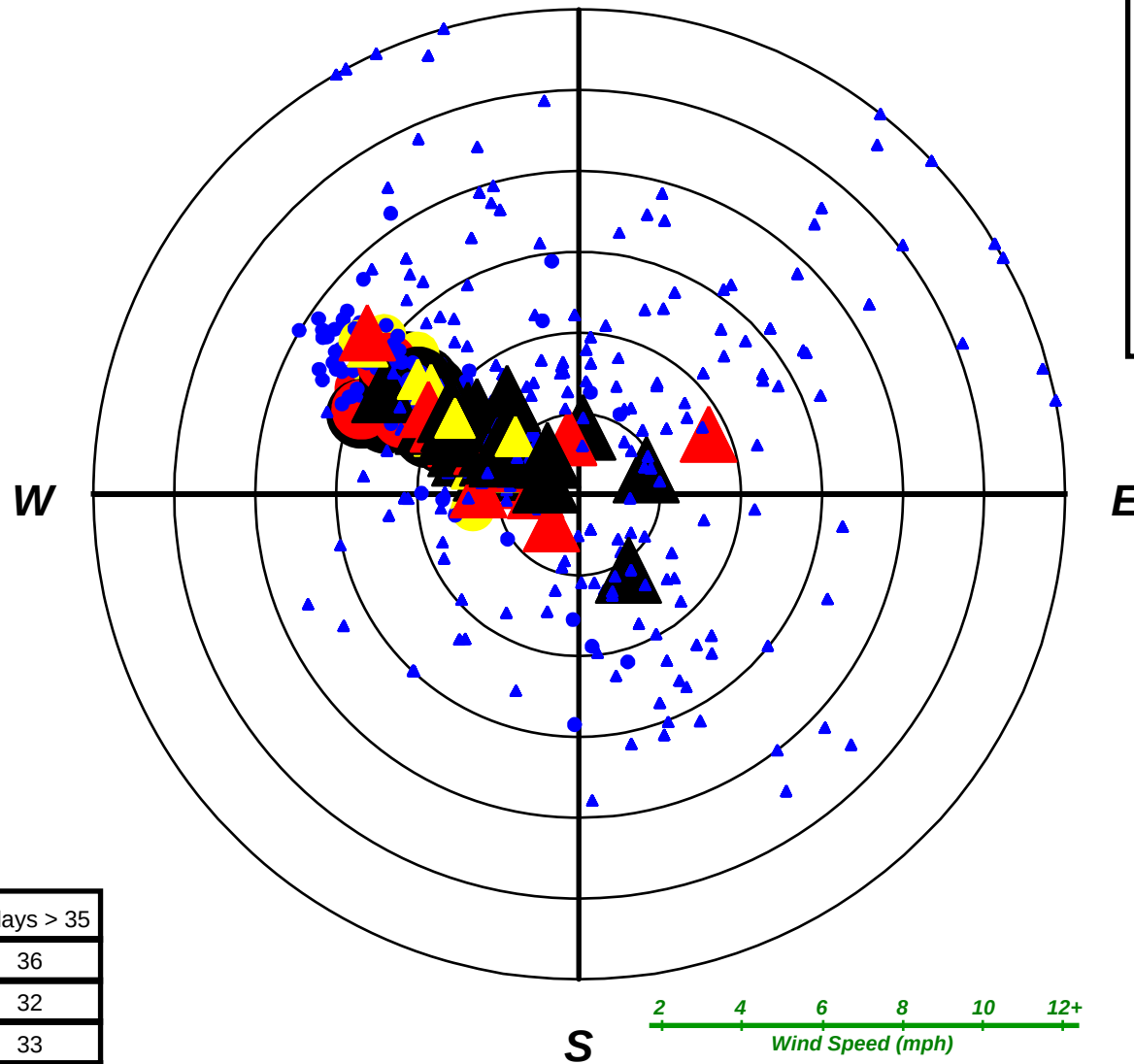
No exceedances

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 26.3 miles away
PALM_SPRINGS_THERMAL_AP (ID= 3104)

Los Angeles-South Coast Air Basin, CA [Riverside County, CA]
Pollution Rose, 2005-2007

Site 060658001



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	58.3	36
2006	53.7	32
2007	54.3	33
Design Value	55-NA	

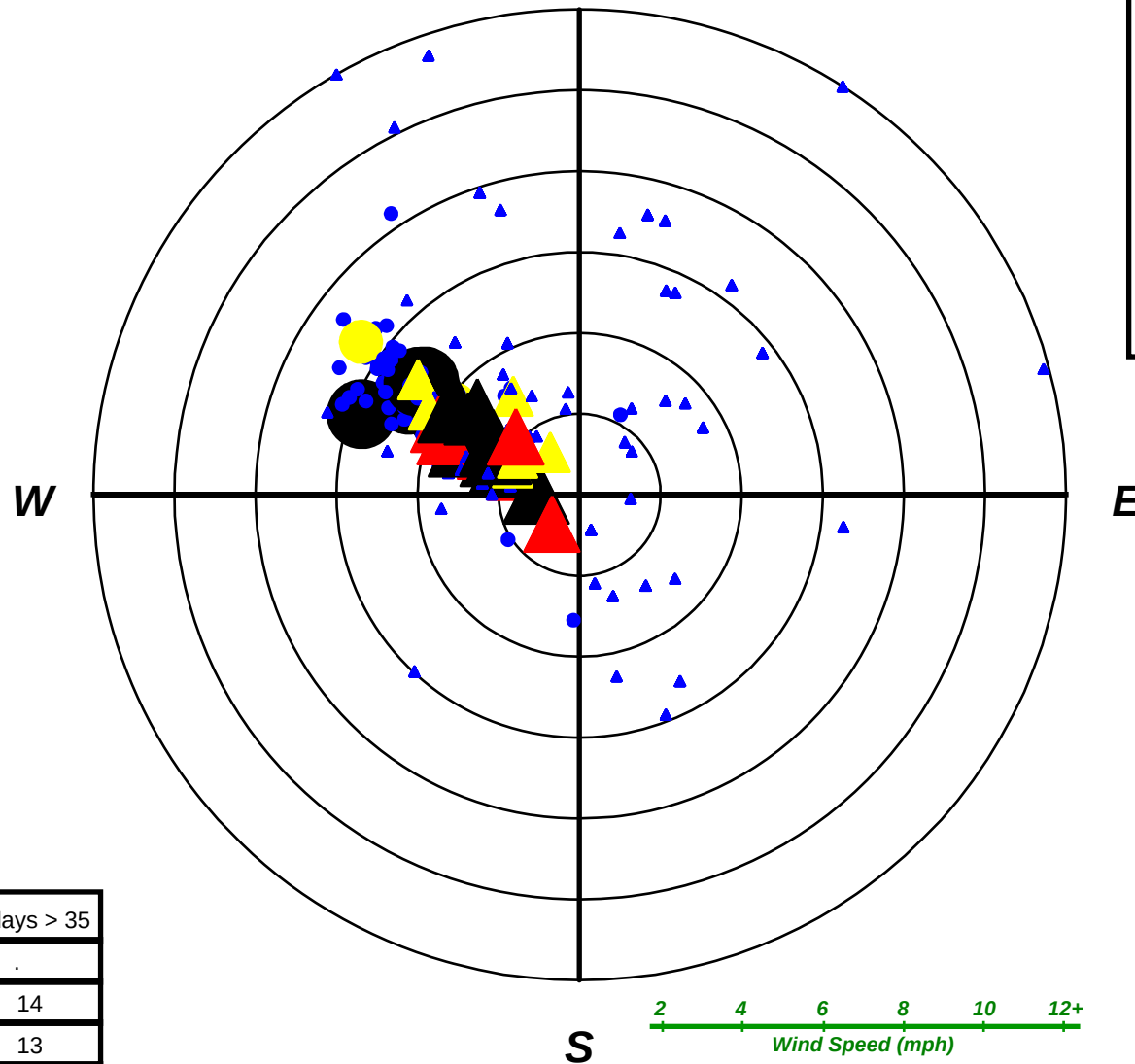
20 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 11.7 miles away
MARCH_AFB (ID=23119)

Los Angeles-South Coast Air Basin, CA [Riverside County, CA]
Pollution Rose, 2005-2007

Site 060658005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	.	.
2006	52.5	14
2007	60.0	13
Design Value	56-inc-na	

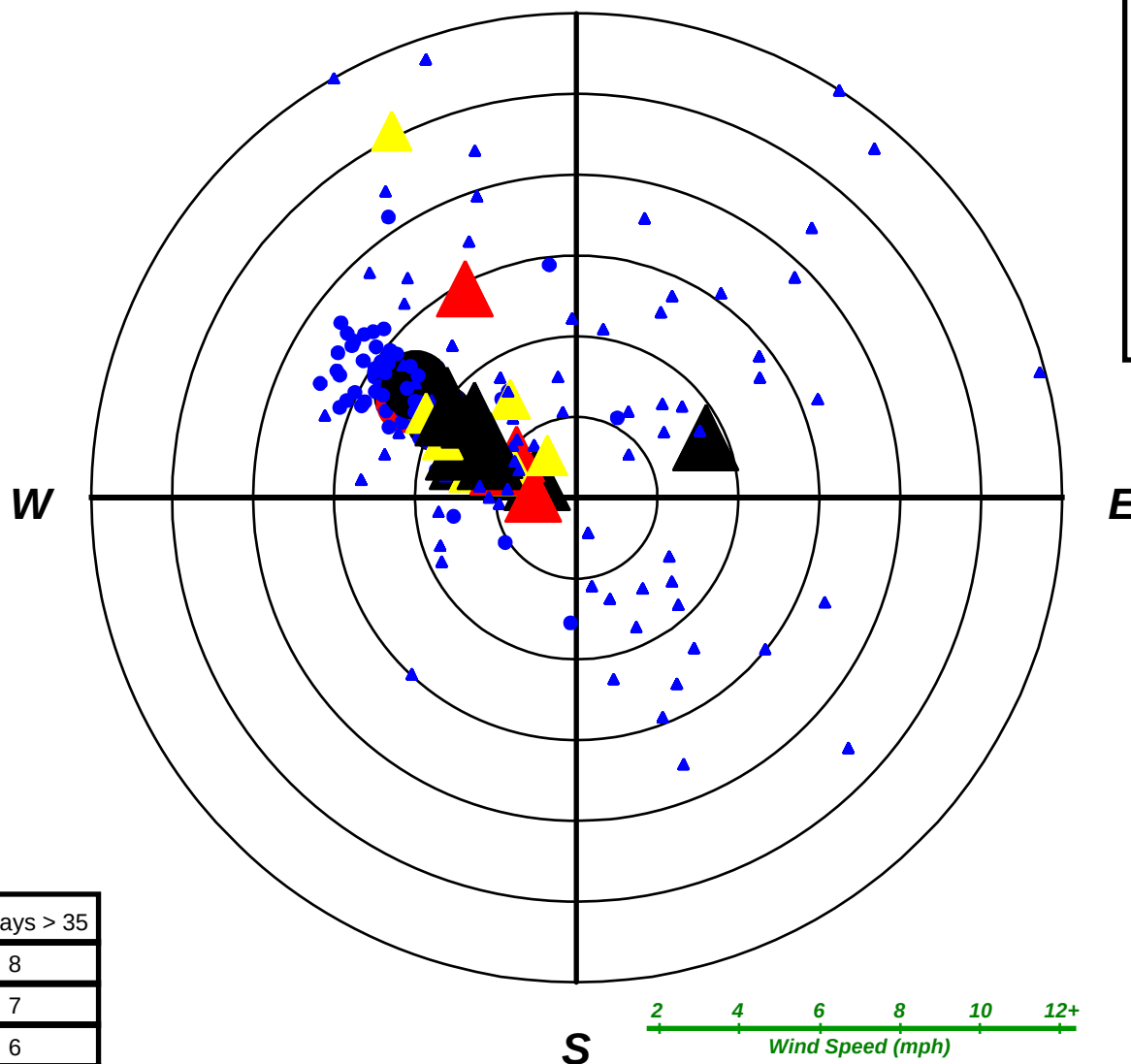
4 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 15.4 miles away
MARCH_AFB (ID=23119)

Los Angeles-South Coast Air Basin, CA [San Bernardino County, CA]
Pollution Rose, 2005-2007

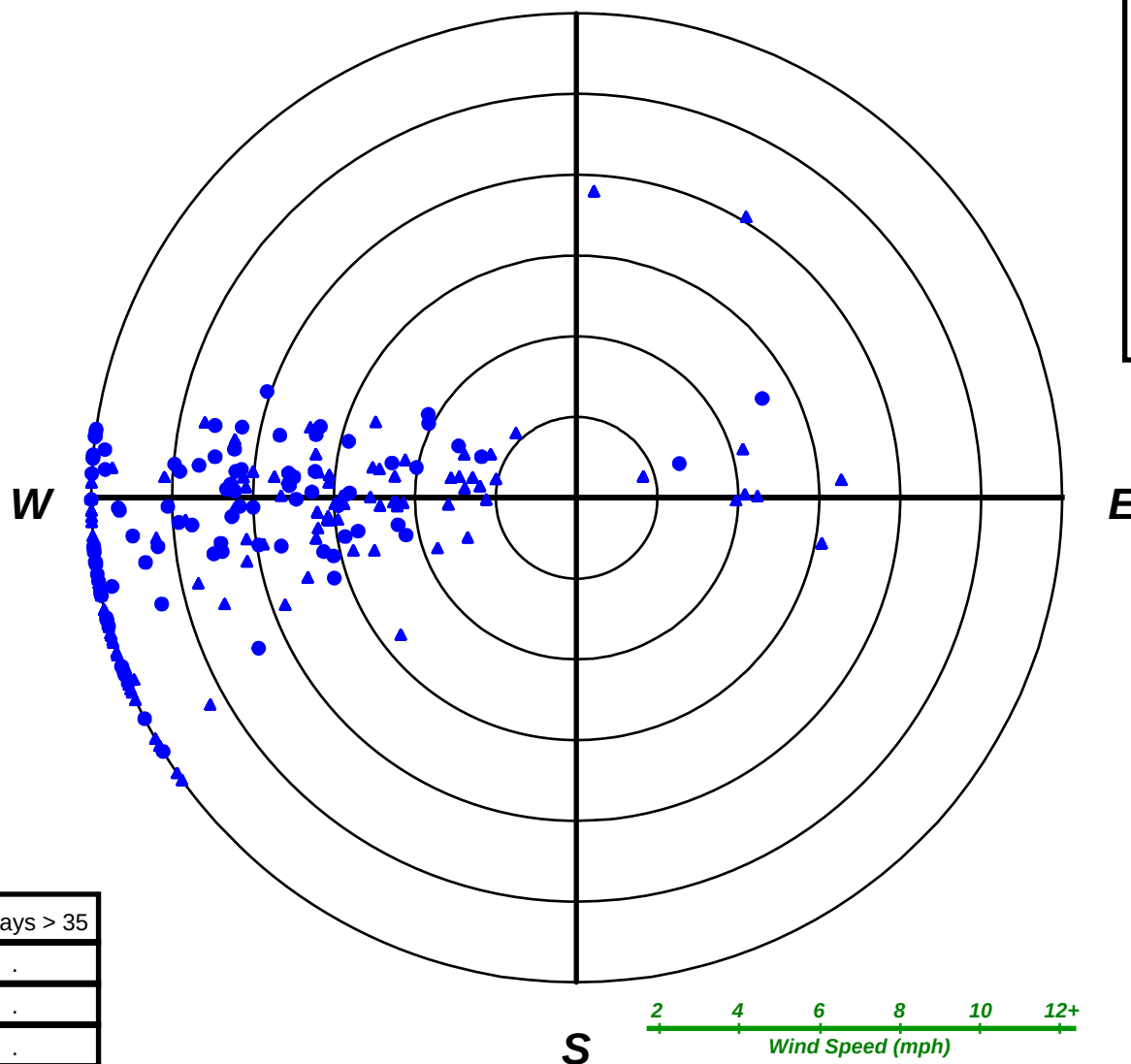
Site 060710025



Meteorological data from 27.0 miles away
MARCH_AFB (ID=23119)

Los Angeles-South Coast Air Basin, CA [San Bernardino County, CA]
Pollution Rose, 2005-2007

Site 060710306



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	20.0	.
2006	19.0	.
2007	19.0	.
Design Value	19-A	

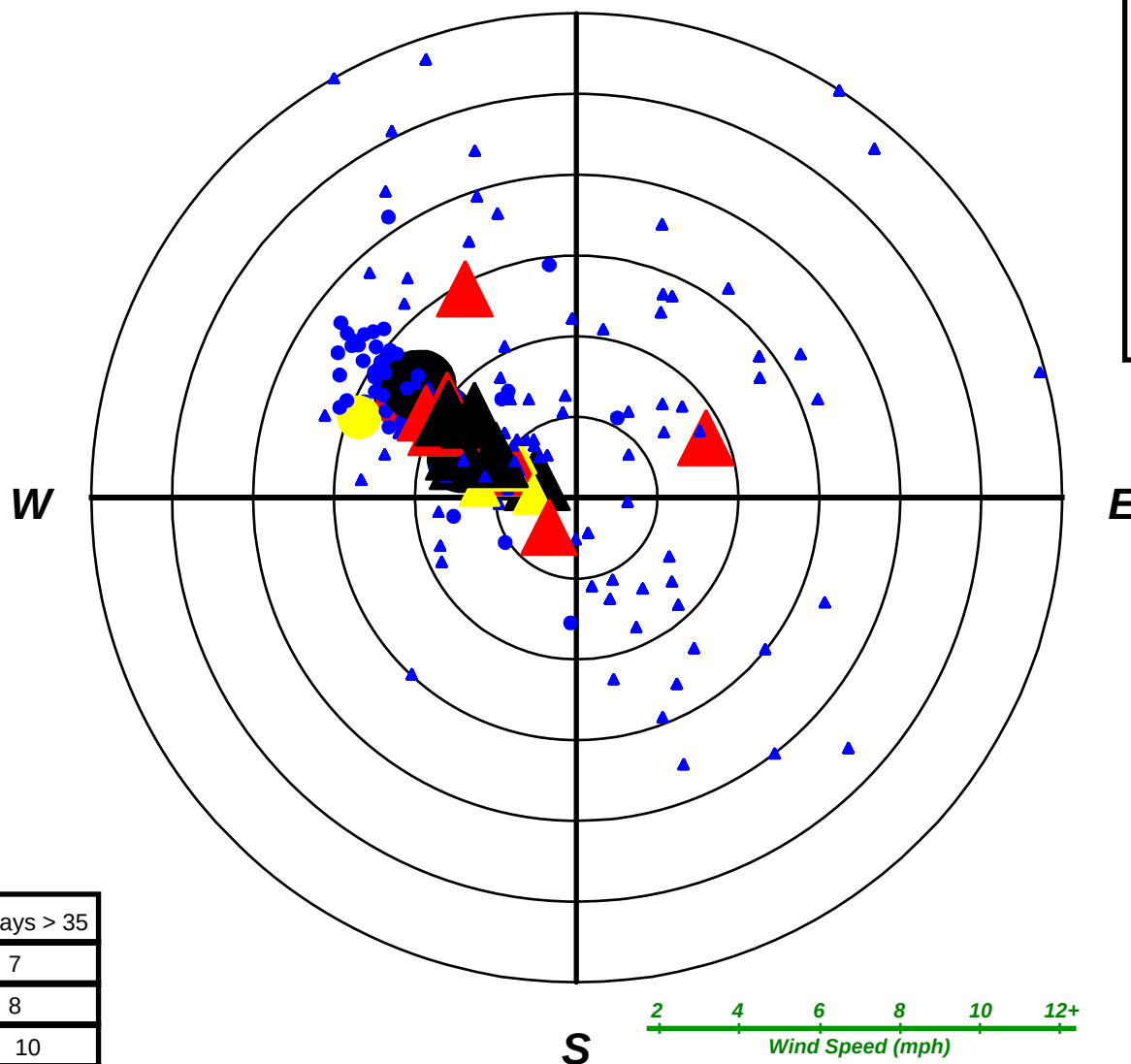
No exceedances

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 38.2 miles away
DAGGETT_BARSTOW-DAGGETT_AP (ID=23161)

**Los Angeles-South Coast Air Basin, CA [San Bernardino County, CA]
Pollution Rose, 2005-2007**

Site 060712002



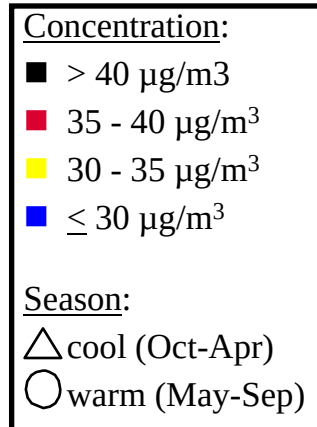
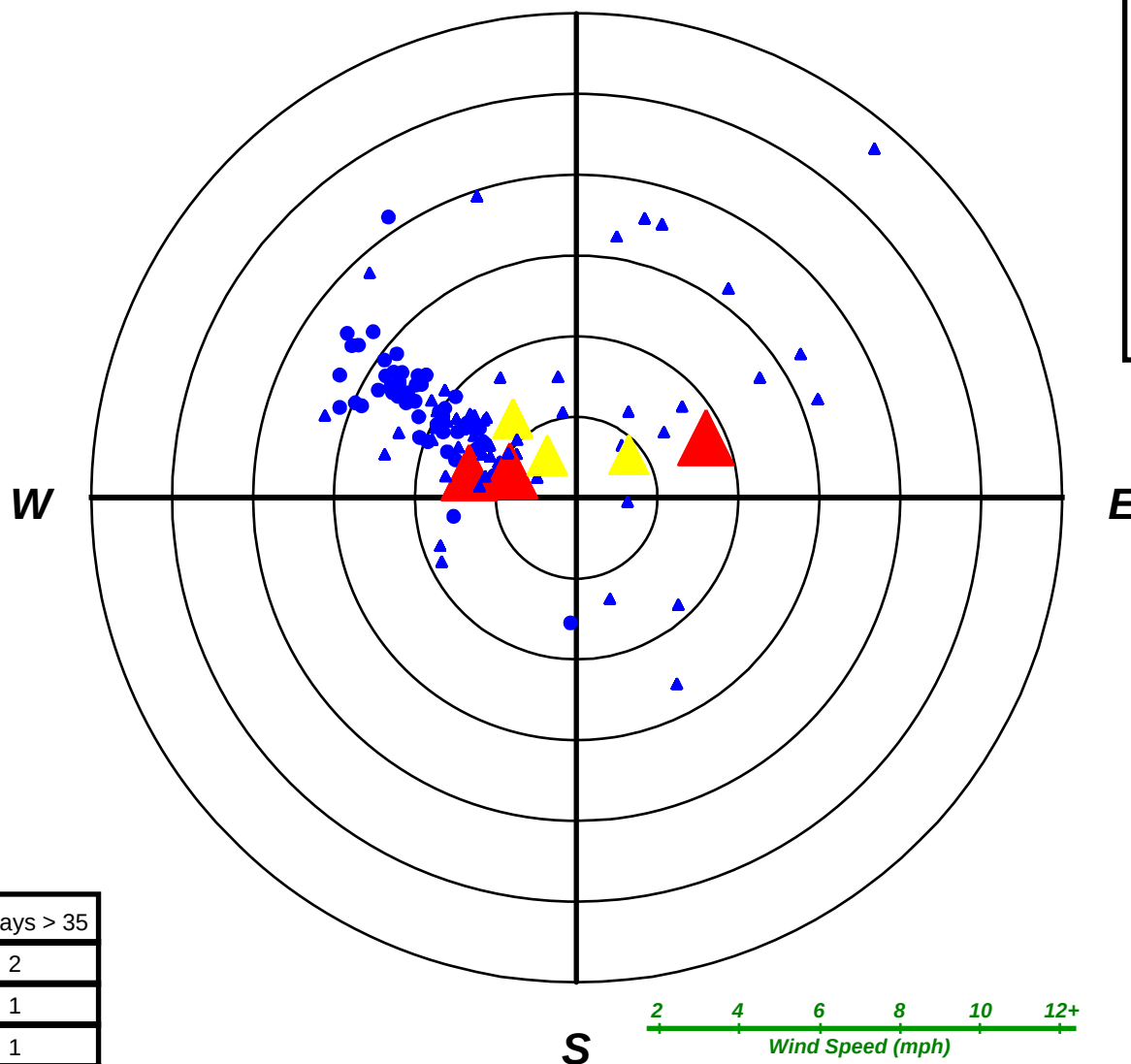
Year	98th %-ile	# days > 35
2005	48.2	7
2006	43.7	8
2007	64.9	10
Design Value	52-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 19.6 miles away
MARCH_AFB (ID=23119)

**Los Angeles-South Coast Air Basin, CA [San Bernardino County, CA]
Pollution Rose, 2005-2007**

Site 060718001



Year	98th %-ile	# days > 35
2005	38.7	2
2006	40.0	1
2007	34.0	1
Design Value	38-NA	

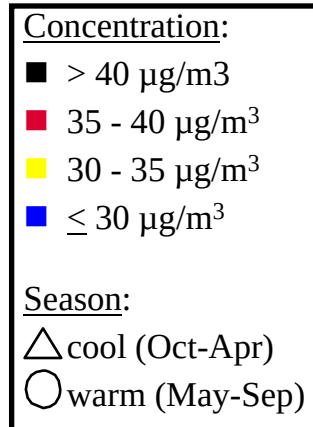
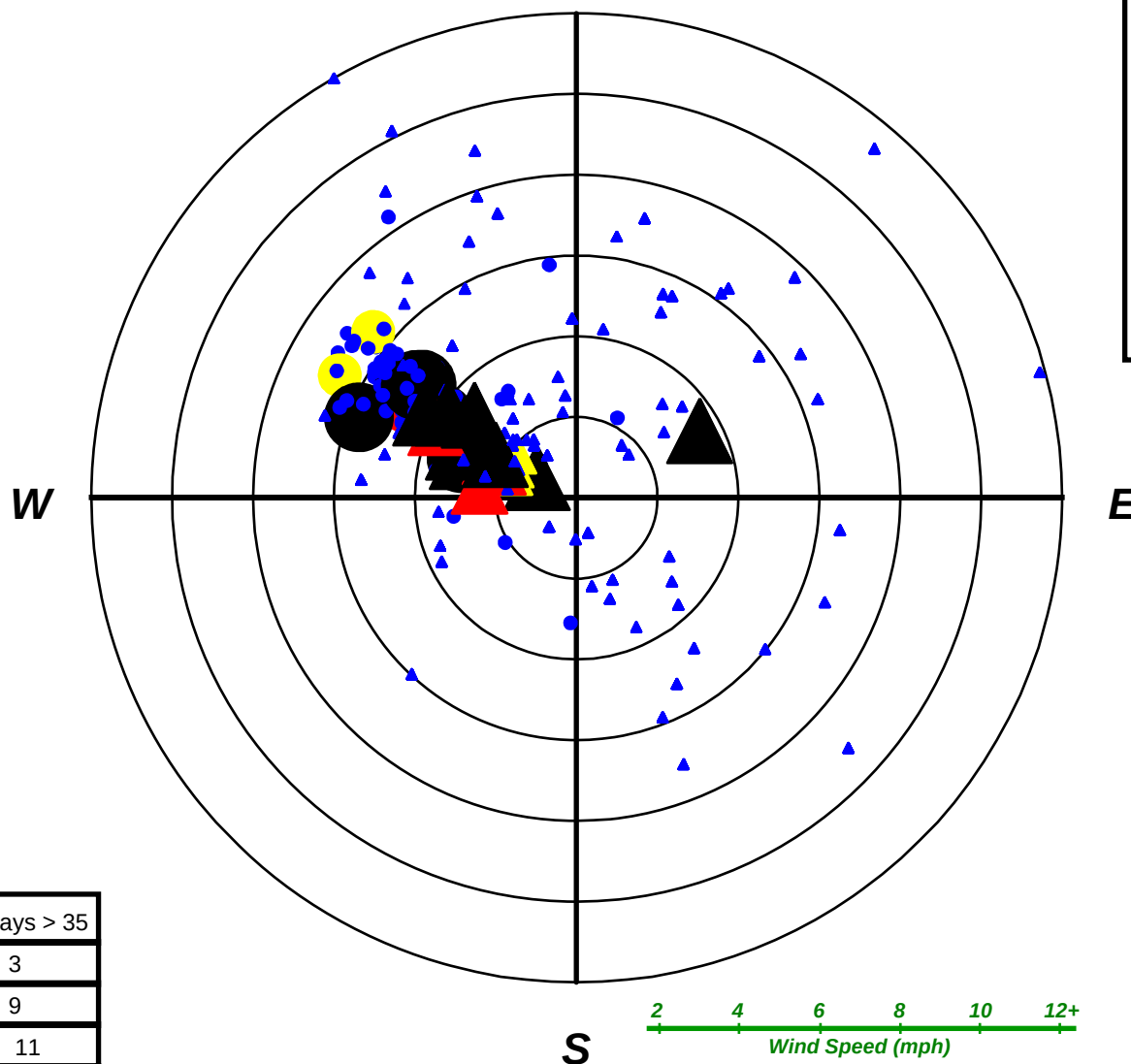
1 exceedance(s) not plotted
(due to missing or variable wind data)



*Meteorological data from 33.5 miles away
MARCH_AFB (ID=23119)*

**Los Angeles-South Coast Air Basin, CA [San Bernardino County, CA]
Pollution Rose, 2005-2007**

Site 060719004



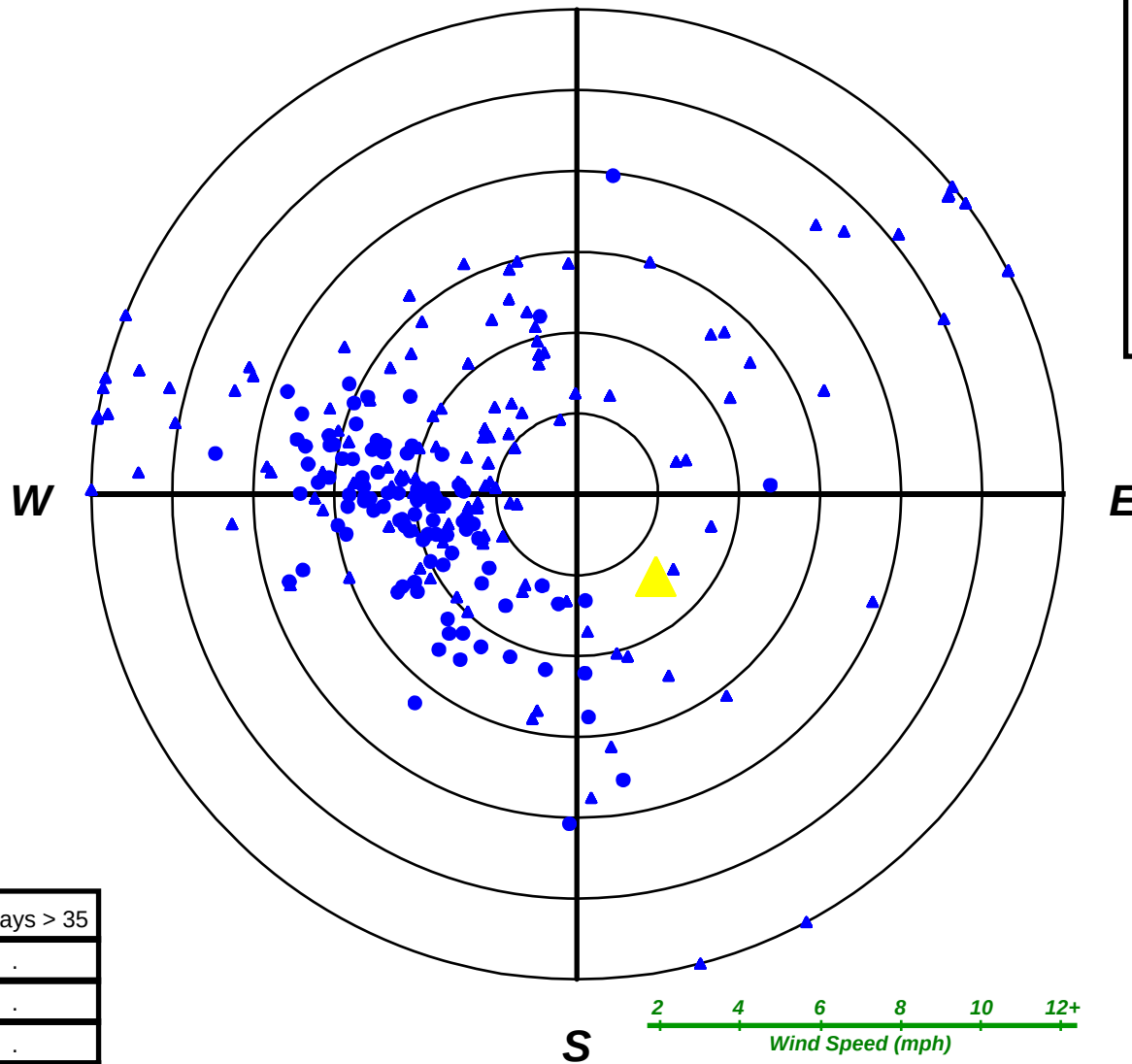
Year	98th %-ile	# days > 35
2005	43.4	3
2006	47.7	9
2007	70.7	11
Design Value	54-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 14.4 miles away
MARCH_AFB (ID=23119)

**Los Angeles-South Coast Air Basin, CA [Ventura County, CA]
Pollution Rose, 2005-2007**

Site 061110007



Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	22.5	.
2006	23.4	.
2007	24.9	.
Design Value	24-A	

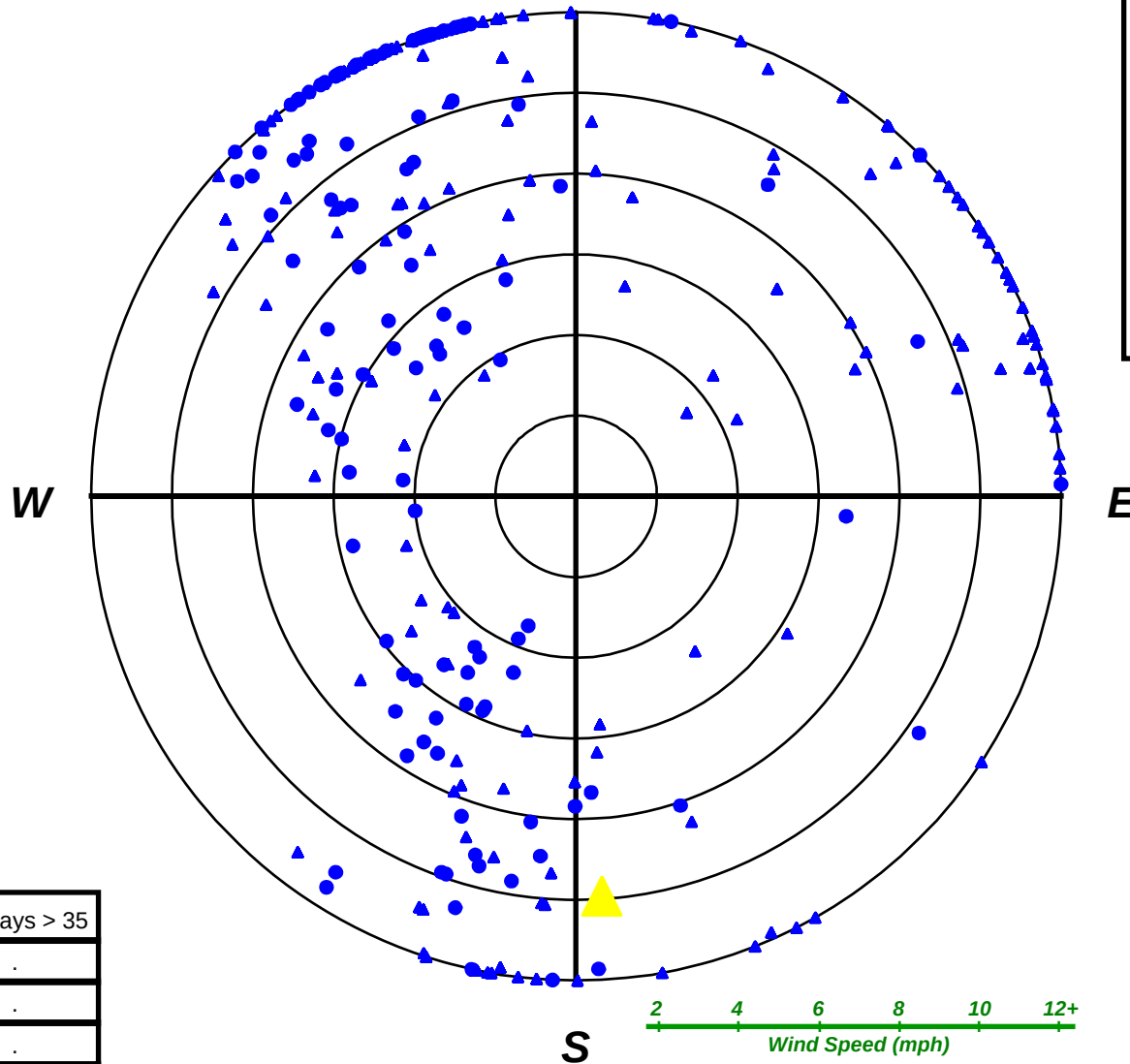
No exceedances

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 15.6 miles away
POINT_MUGU_NF (ID=93111)

Los Angeles-South Coast Air Basin, CA [Ventura County, CA]
Pollution Rose, 2005-2007

Site 061110009



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

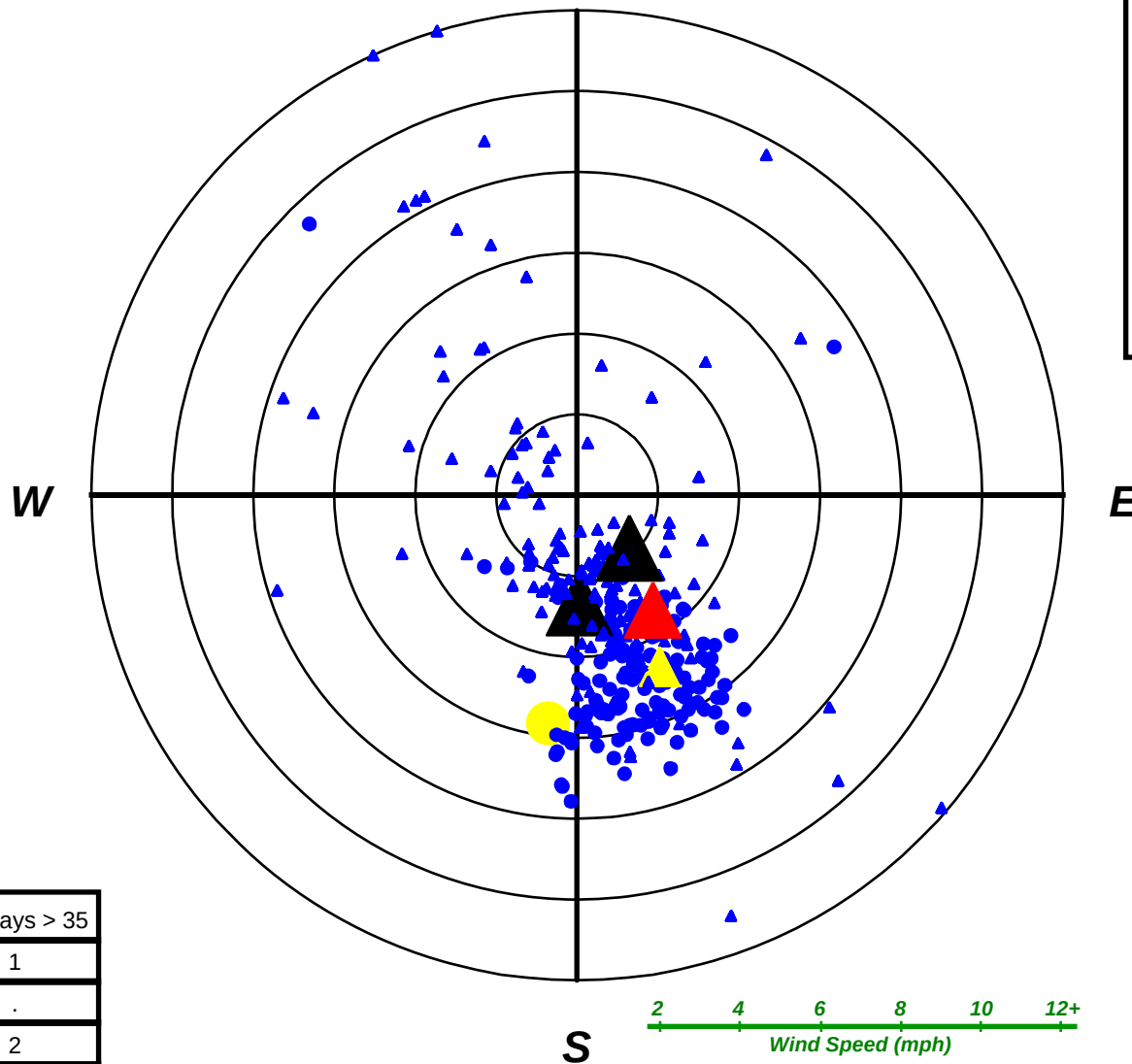
Year	98th %-ile	# days > 35
2005	20.3	.
2006	21.4	.
2007	22.3	.
Design Value	21-A	

No exceedances

Meteorological data from 24.5 miles away
SANDBERG (ID=23187)

**Los Angeles-South Coast Air Basin, CA [Ventura County, CA]
Pollution Rose, 2005-2007**

Site 061112002



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	26.3	1
2006	27.6	.
2007	31.8	2
Design Value	29-A	

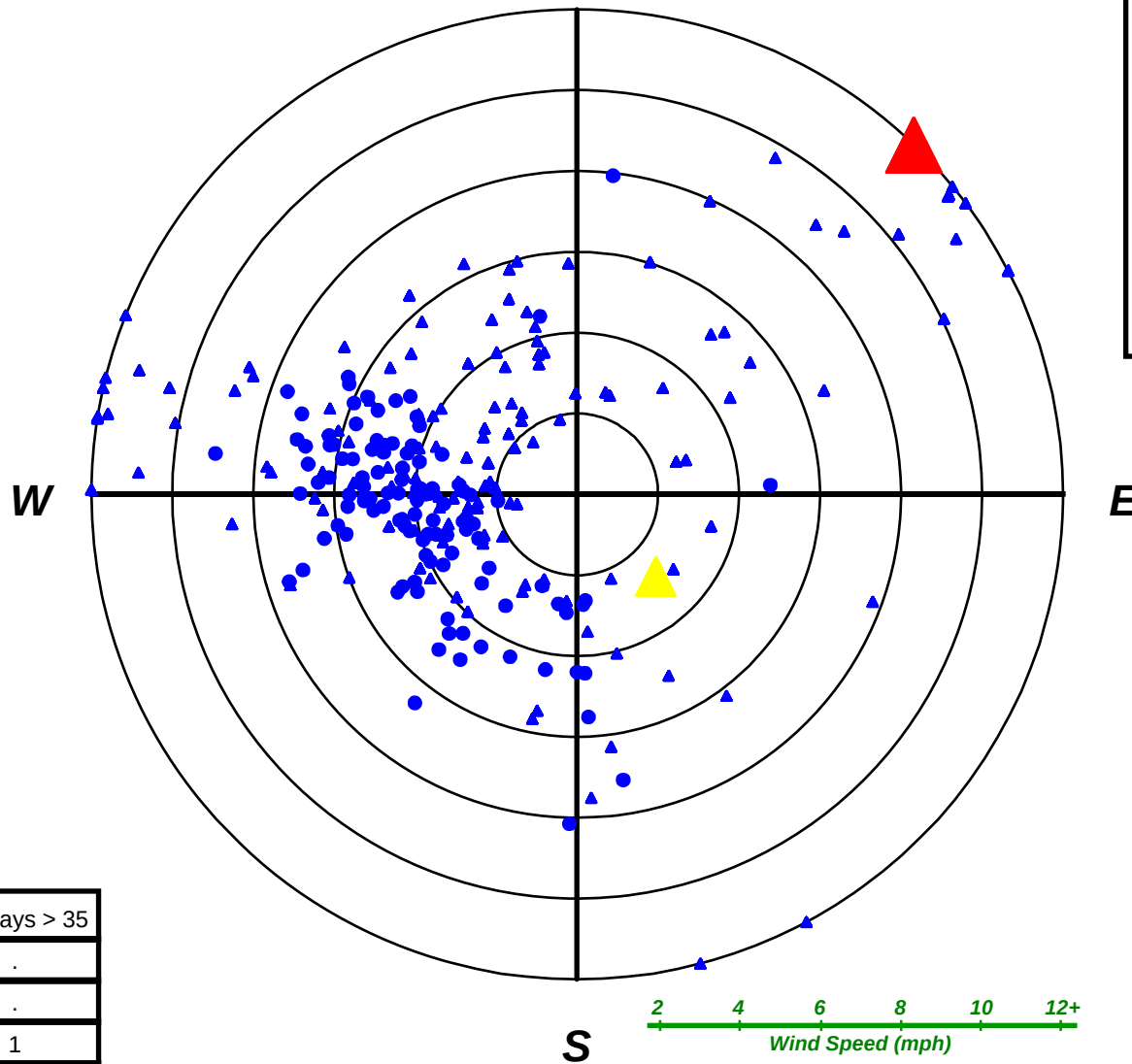
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 19.9 miles away
BURBANK-GLENDALE-PASSADENA_AP (ID=23152)

**Los Angeles-South Coast Air Basin, CA [Ventura County, CA]
Pollution Rose, 2005-2007**

Site 061113001



Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	23.8	.
2006	23.5	.
2007	27.5	1
Design Value	25-A	

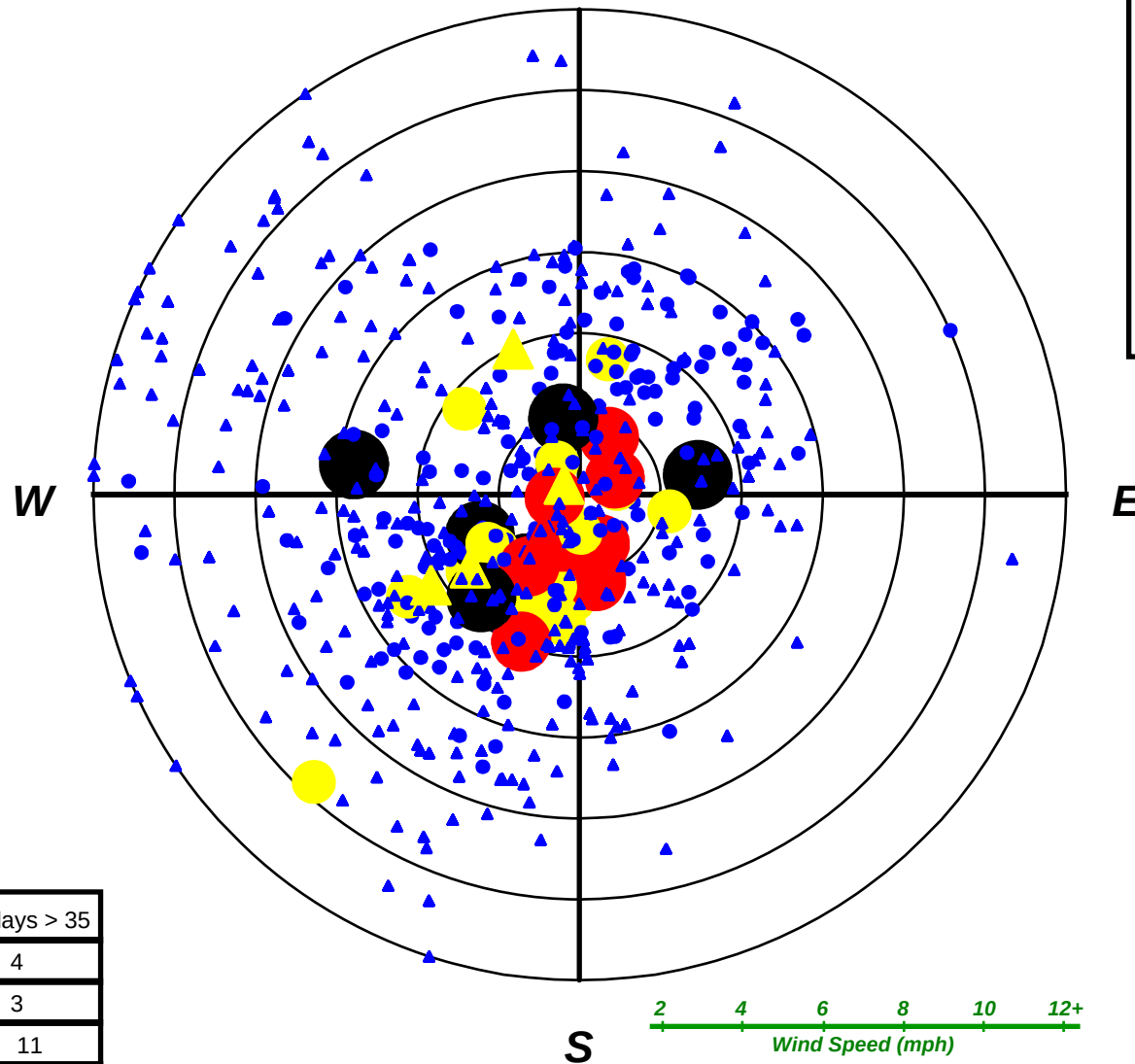
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 9.7 miles away
POINT_MUGU_NF (ID=93111)

Louisville, KY-IN [Clark County, IN]
Pollution Rose, 2005-2007

Site 180190006



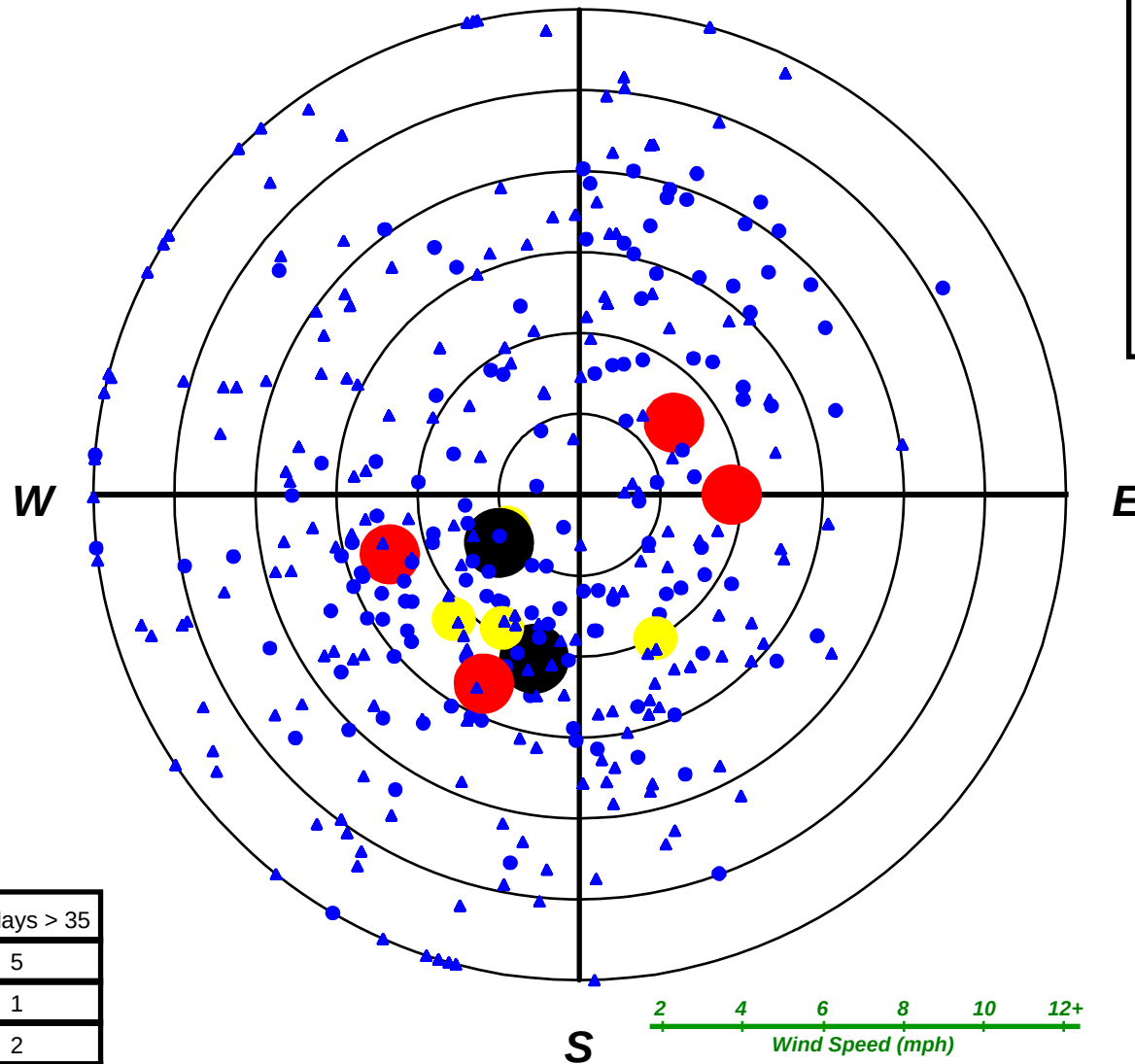
Year	98th %-ile	# days > 35
2005	45.5	4
2006	35.9	3
2007	38.1	11
Design Value	40-NA	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.0 miles away
LOUISVILLE_BOWMAN_FIELD (ID=13810)

Louisville, KY-IN [Floyd County, IN]
Pollution Rose, 2005-2007

Site 180431004



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

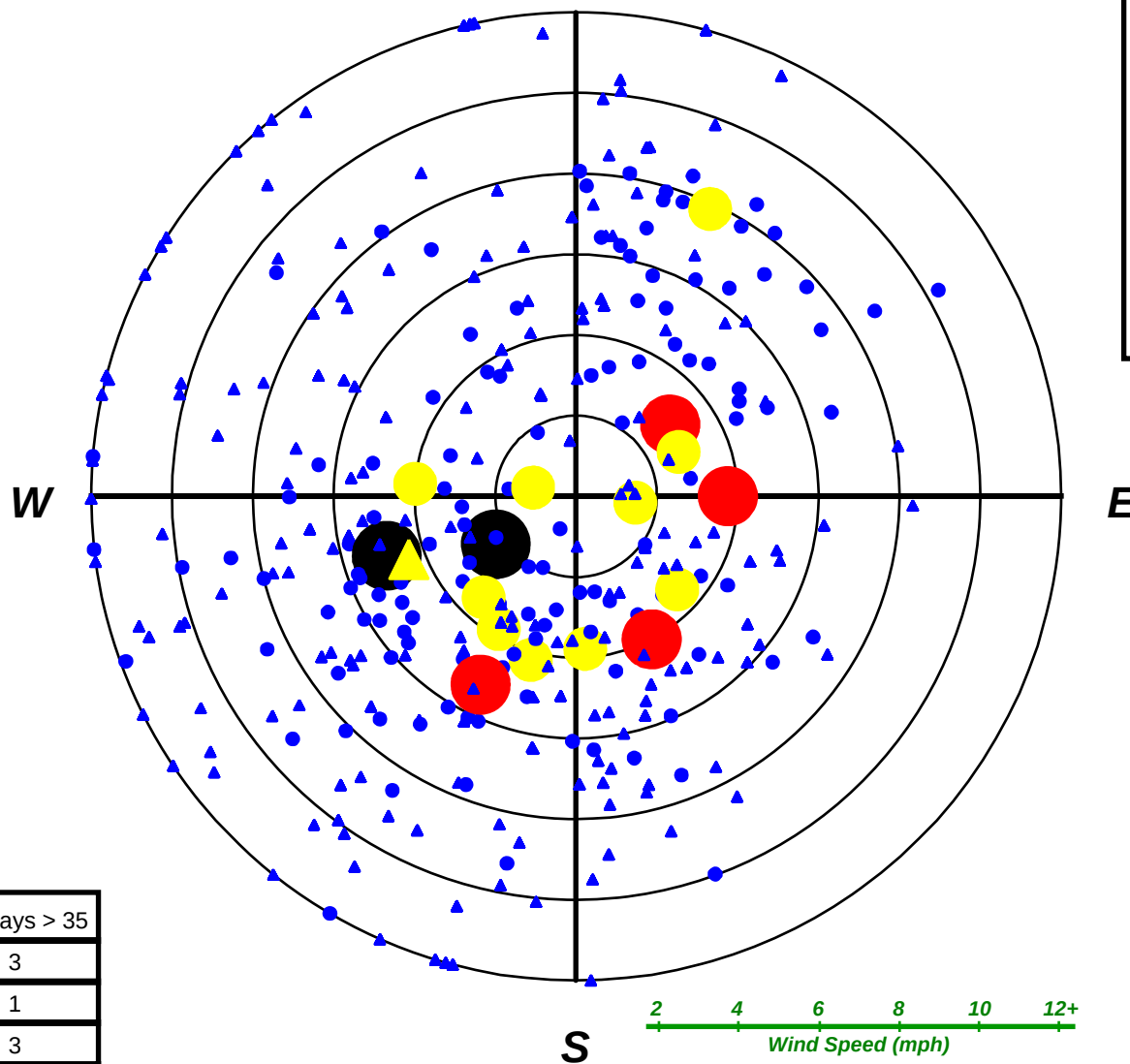
Year	98th %-ile	# days > 35
2005	40.1	5
2006	28.2	1
2007	35.4	2
Design Value	35-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 10.2 miles away
LOUISVILLE_STANDIFORD_FIELD (ID=93821)

Louisville, KY-IN [Bullitt County, KY]
Pollution Rose, 2005-2007

Site 210290006



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

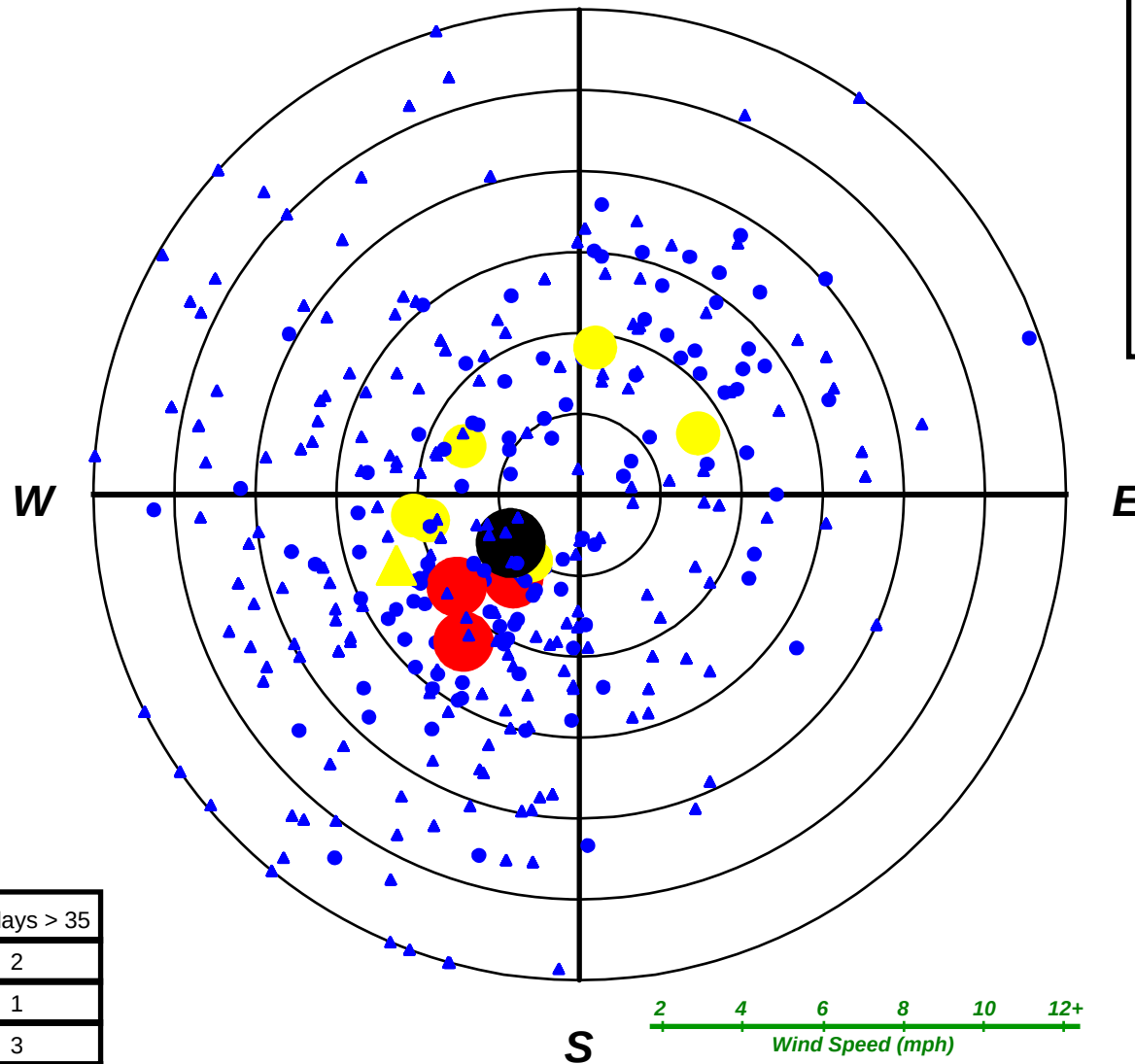
Year	98th %-ile	# days > 35
2005	39.0	3
2006	33.5	1
2007	36.2	3
Design Value	36-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 13.7 miles away
LOUISVILLE_STANDIFORD_FIELD (ID=93821)

Louisville, KY-IN [Hardin County, KY]
Pollution Rose, 2005-2007

Site 210930006



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

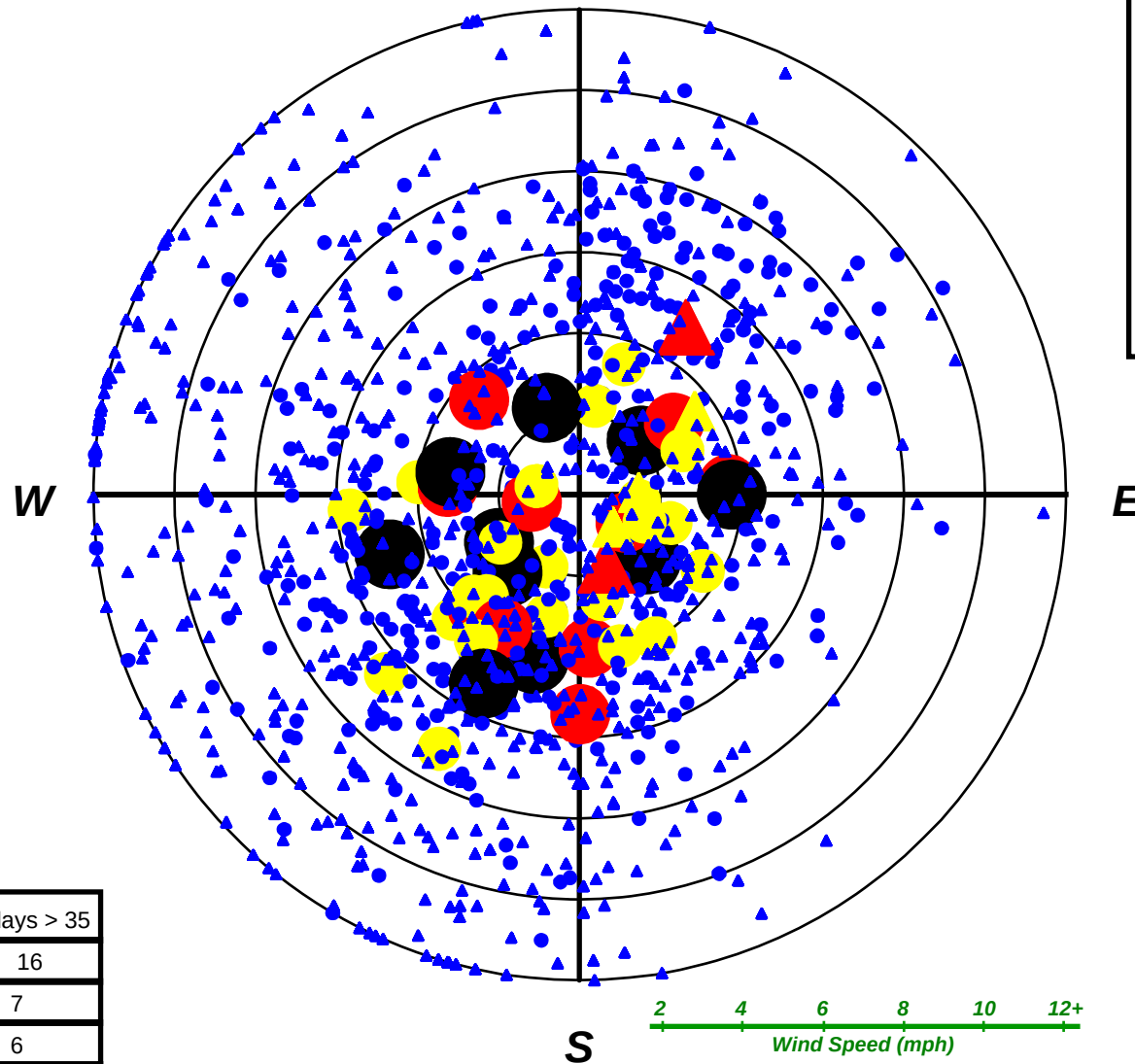
Year	98th %-ile	# days > 35
2005	35.1	2
2006	31.8	1
2007	38.4	3
Design Value	35-A	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 14.8 miles away
FORT_KNOX_GODMAN_AAF (ID=13807)

Louisville, KY-IN [Jefferson County, KY]
Pollution Rose, 2005-2007

Site 211110043



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

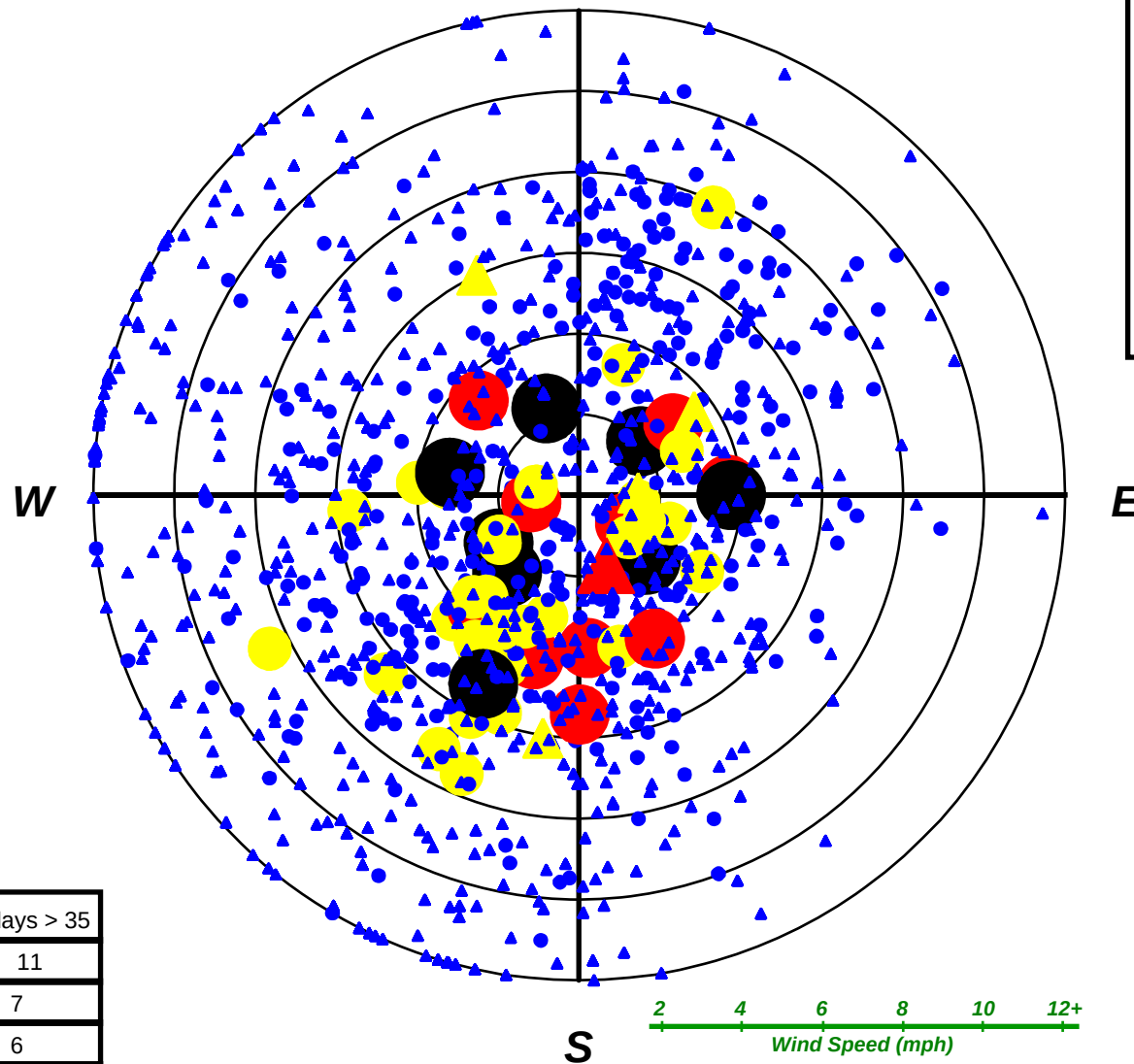
Year	98th %-ile	# days > 35
2005	40.9	16
2006	32.3	7
2007	34.1	6
Design Value	36-NA	

5 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.7 miles away
LOUISVILLE_STANDIFORD_FIELD (ID=93821)

Louisville, KY-IN [Jefferson County, KY]
Pollution Rose, 2005-2007

Site 211110044



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	40.1	11
2006	36.3	7
2007	33.7	6
Design Value	37-NA	

5 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.6 miles away
LOUISVILLE_STANDIFORD_FIELD (ID=93821)

Louisville, KY-IN [Jefferson County, KY]
Pollution Rose, 2005-2007

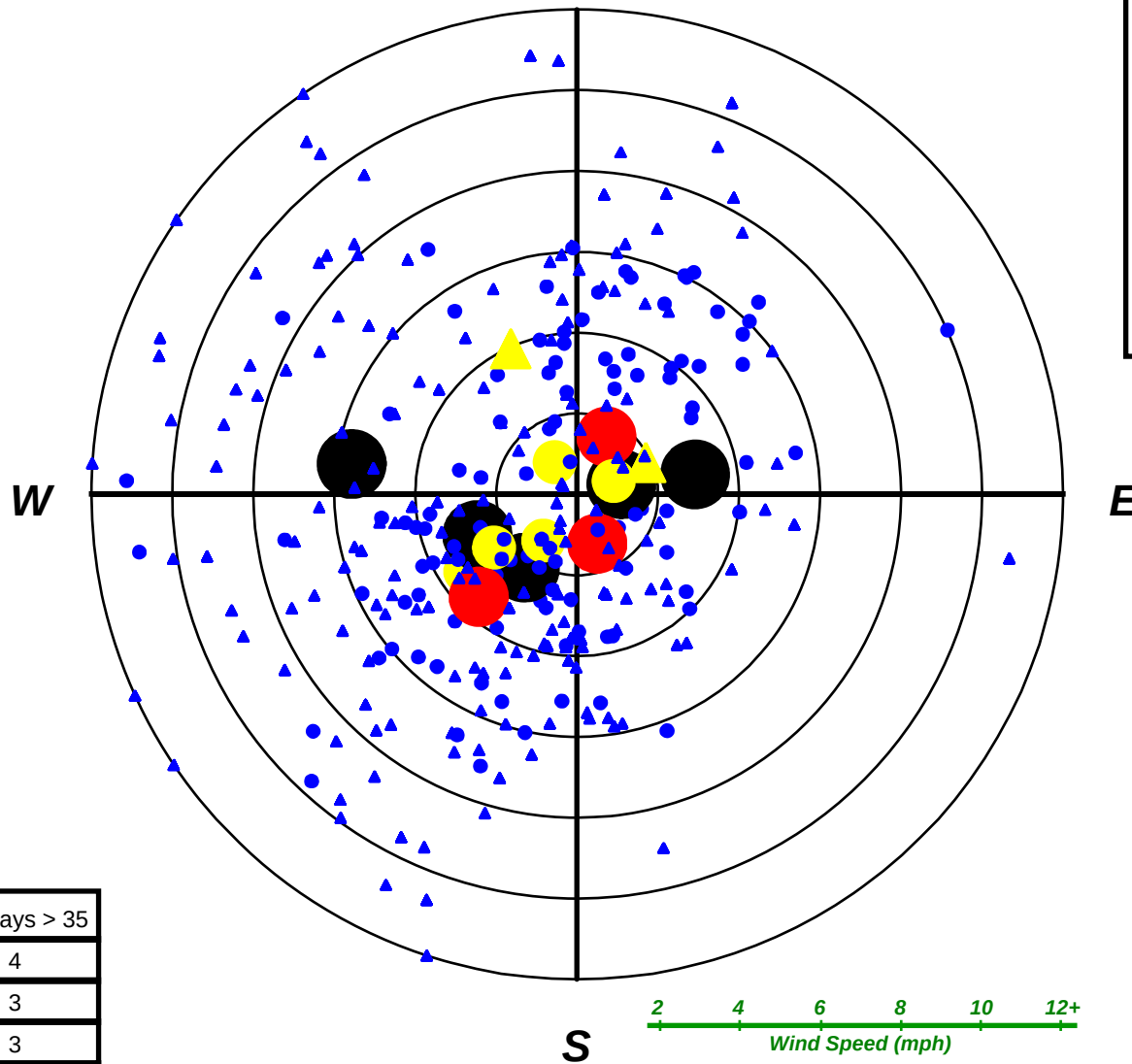
Site 211110048

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	43.2	4
2006	36.7	3
2007	37.2	3
Design Value	39-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 3.5 miles away
LOUISVILLE_BOWMAN_FIELD (ID=13810)

Louisville, KY-IN [Jefferson County, KY]
Pollution Rose, 2005-2007

Site 211110051

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

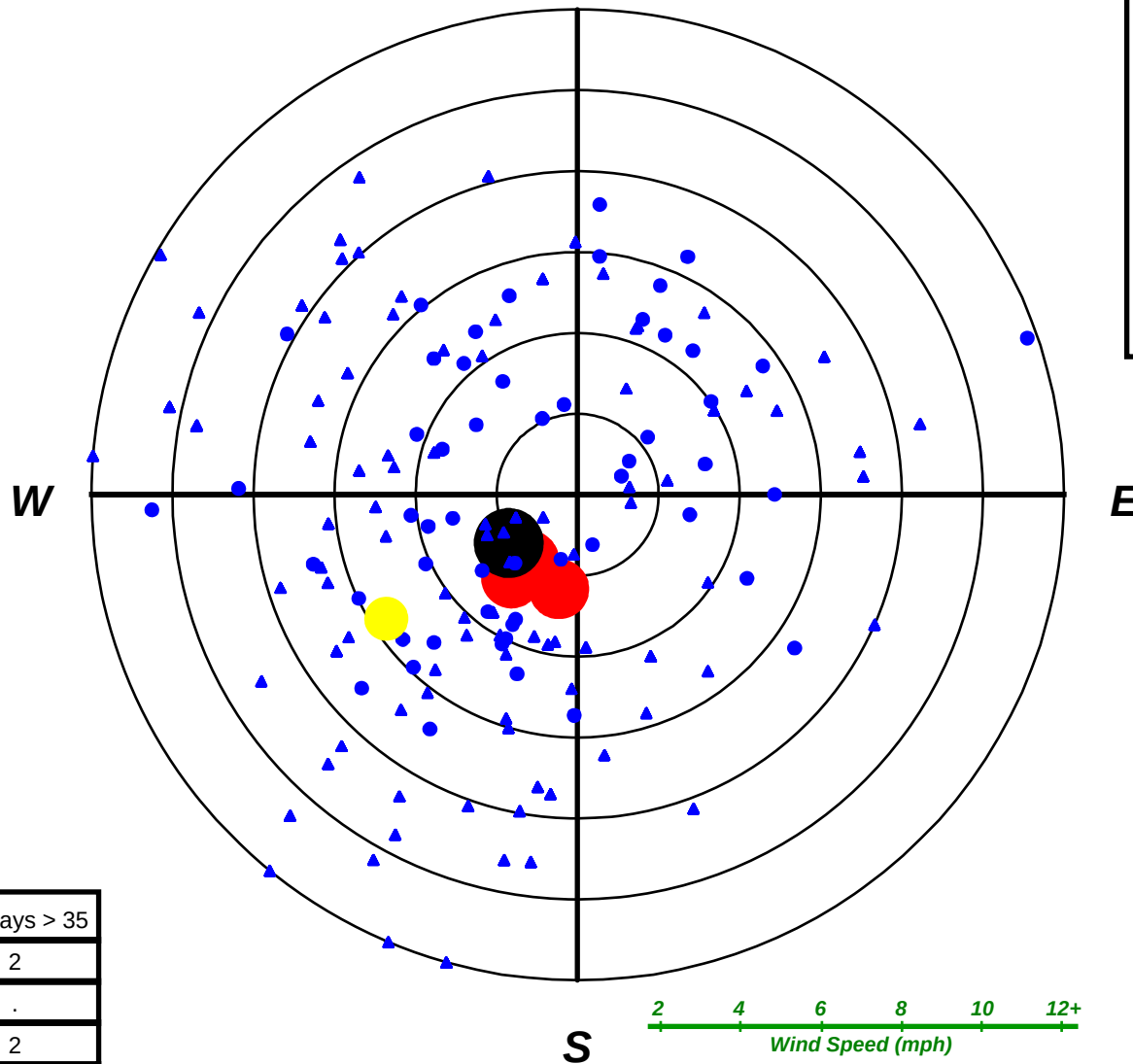
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	36.5	2
2006	28.4	.
2007	36.3	2
Design Value	34-A	

All exceedances plotted

Meteorological data from 11.7 miles away
FORT_KNOX_GODMAN_AAF (ID=13807)

Madison-Baraboo, WI [Dane County, WI]
Pollution Rose, 2005-2007

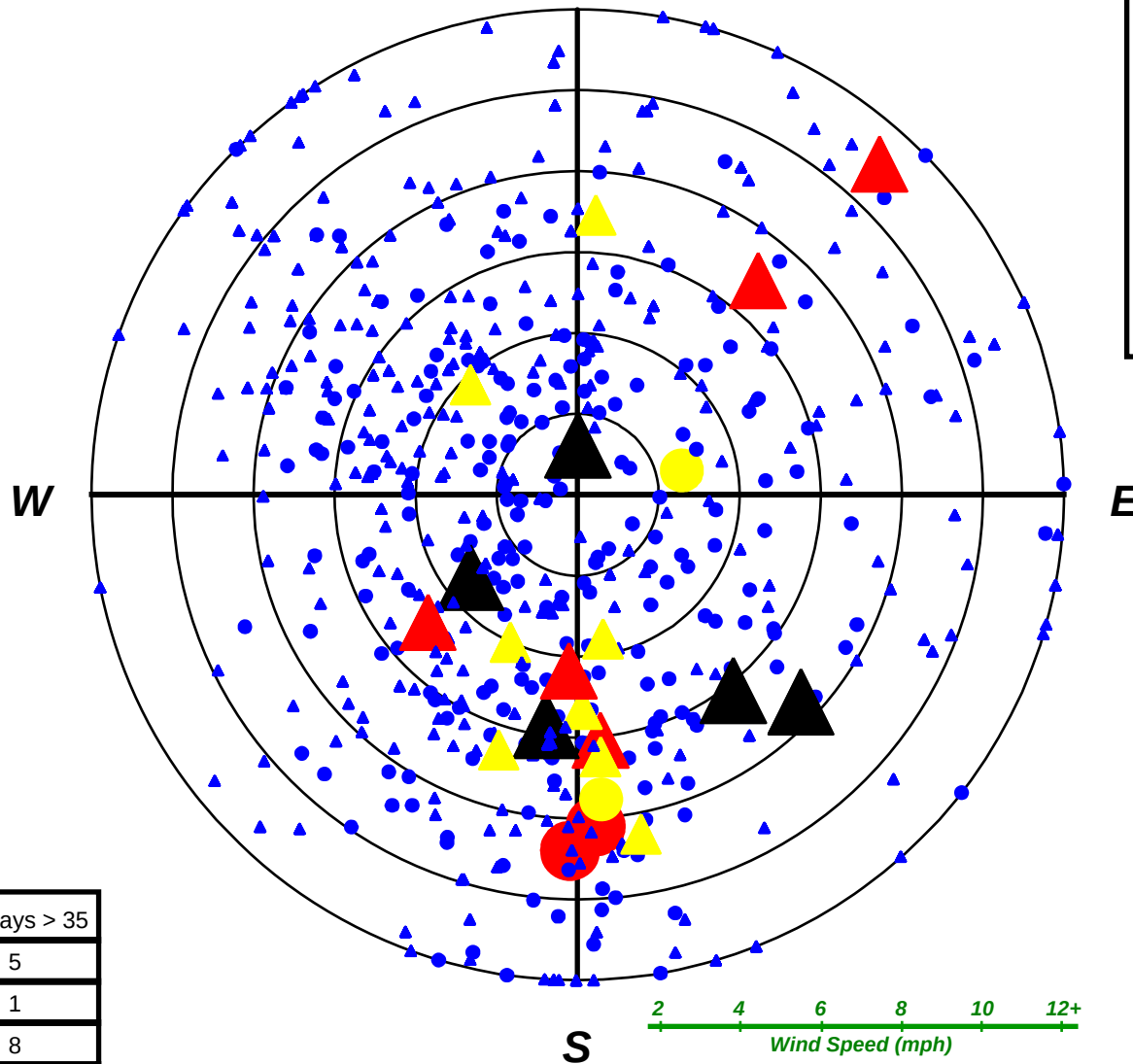
Site 550250047

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	40.1	5
2006	33.4	1
2007	37.3	8
Design Value	37-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.0 miles away
MADISON_DANE_CO_REGIONAL_ARPT (ID=14837)

Madison-Baraboo, WI [Dane County, WI]
Pollution Rose, 2005-2007

Site 550250048

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

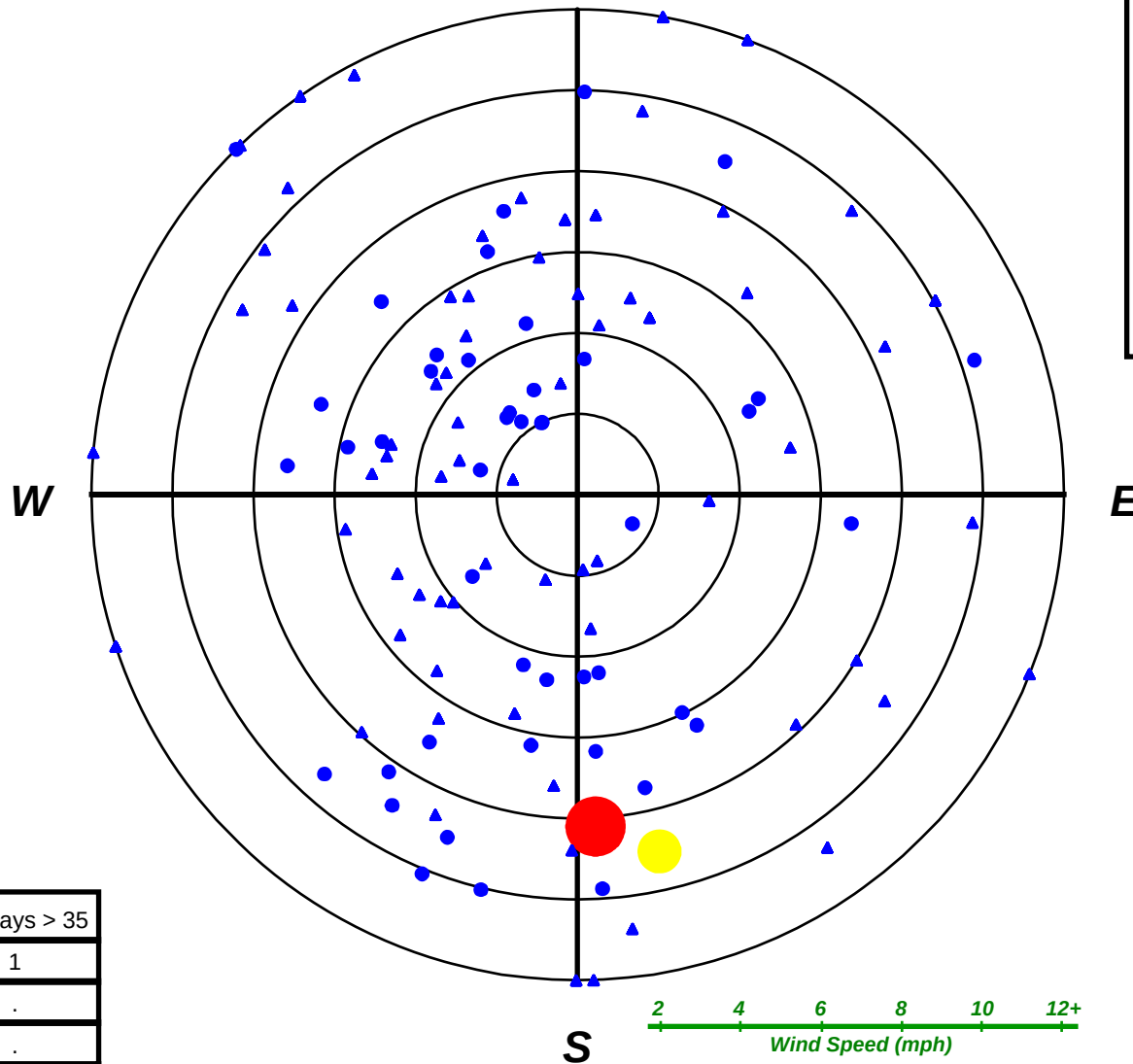
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Madison-Baraboo, WI [Sauk County, WI]
Pollution Rose, 2005-2007

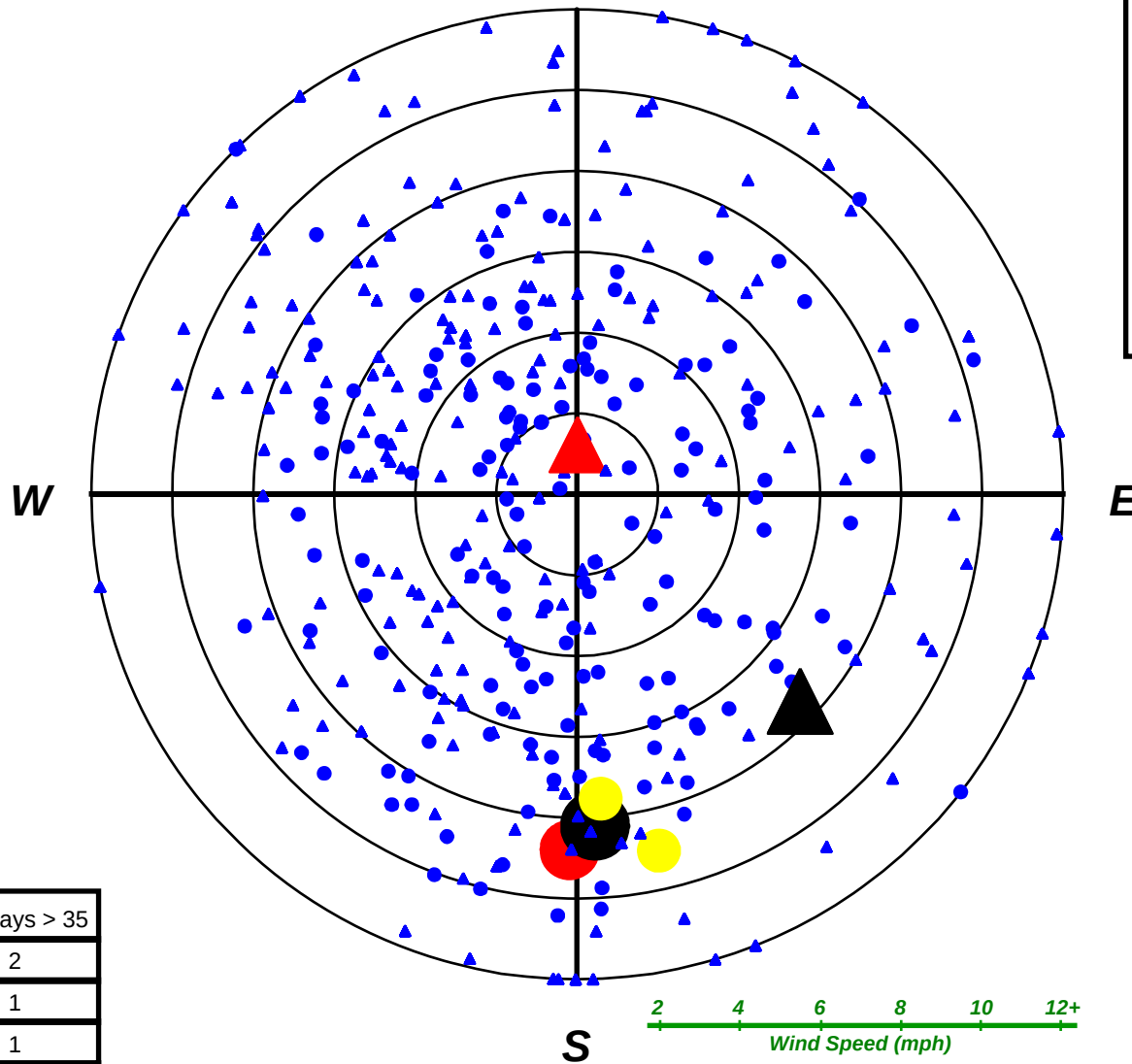
Site 551110007

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	30.9	2
2006	26.7	1
2007	27.6	1
Design Value	28-A	

All exceedances plotted

Meteorological data from 26.7 miles away
MADISON_DANE_CO_REGIONAL_ARPT (ID=14837)

**Milwaukee-Racine, WI [Milwaukee County, WI]
Pollution Rose, 2005-2007**

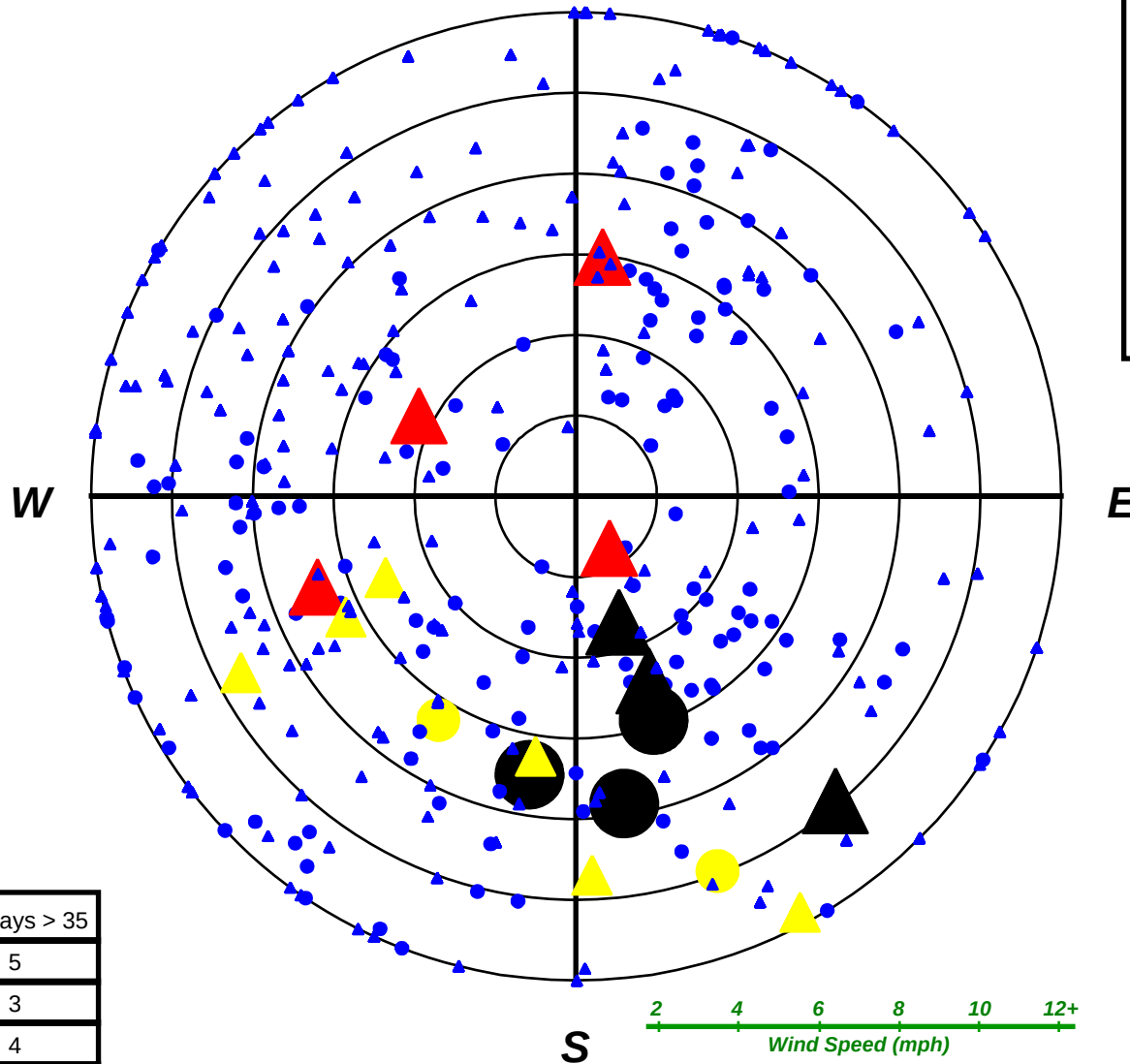
Site 550790010

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	38.7	5
2006	40.7	3
2007	40.6	4
Design Value	40-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 4.9 miles away
MILWAUKEE MITCHELL INTL AP (ID=14839)*

**Milwaukee-Racine, WI [Milwaukee County, WI]
Pollution Rose, 2005-2007**

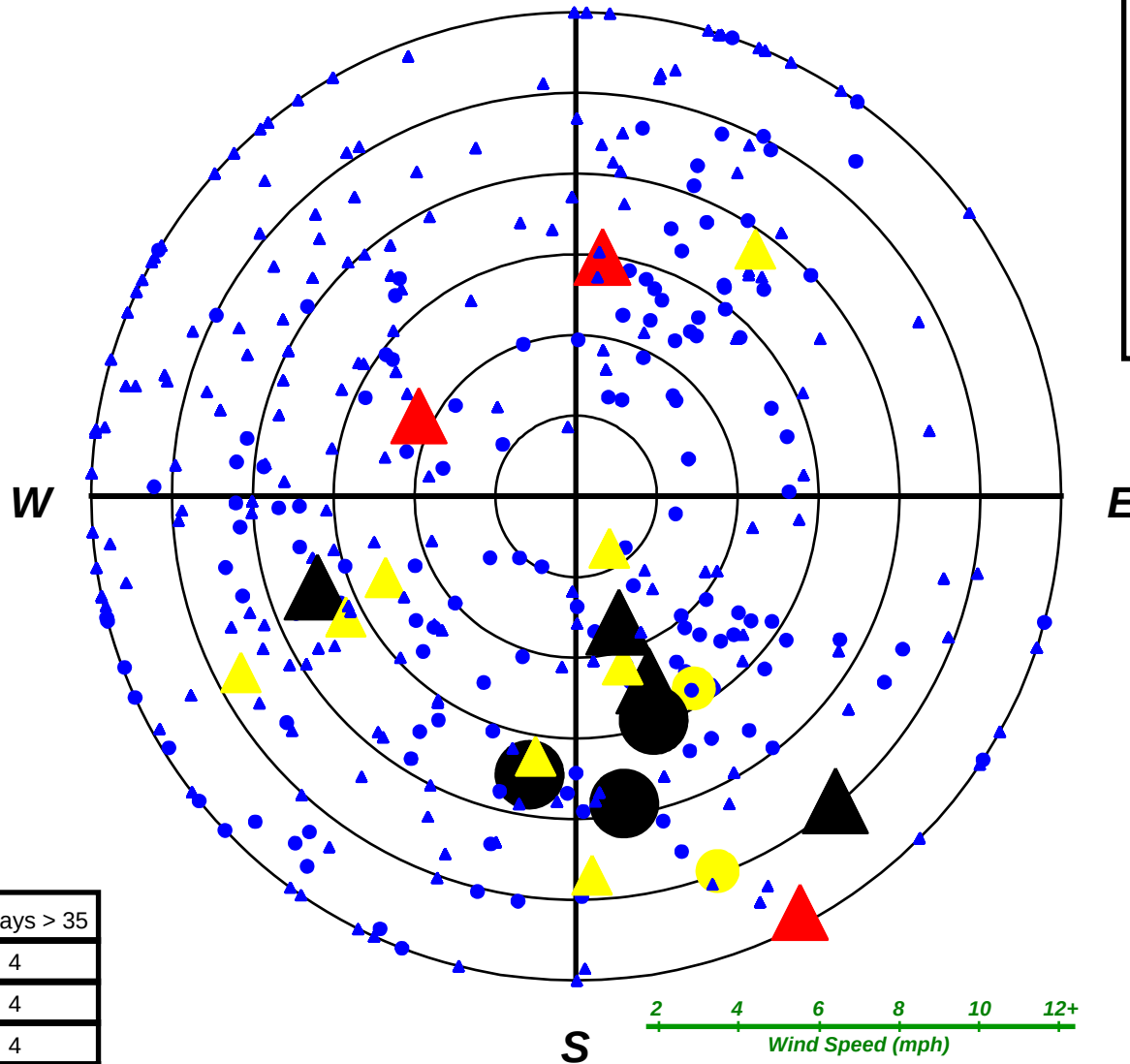
Site 550790026

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	41.5	4
2006	42.6	4
2007	39.8	4
Design Value	41-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 7.7 miles away
MILWAUKEE MITCHELL INTL AP (ID=14839)*

**Milwaukee-Racine, WI [Milwaukee County, WI]
Pollution Rose, 2005-2007**

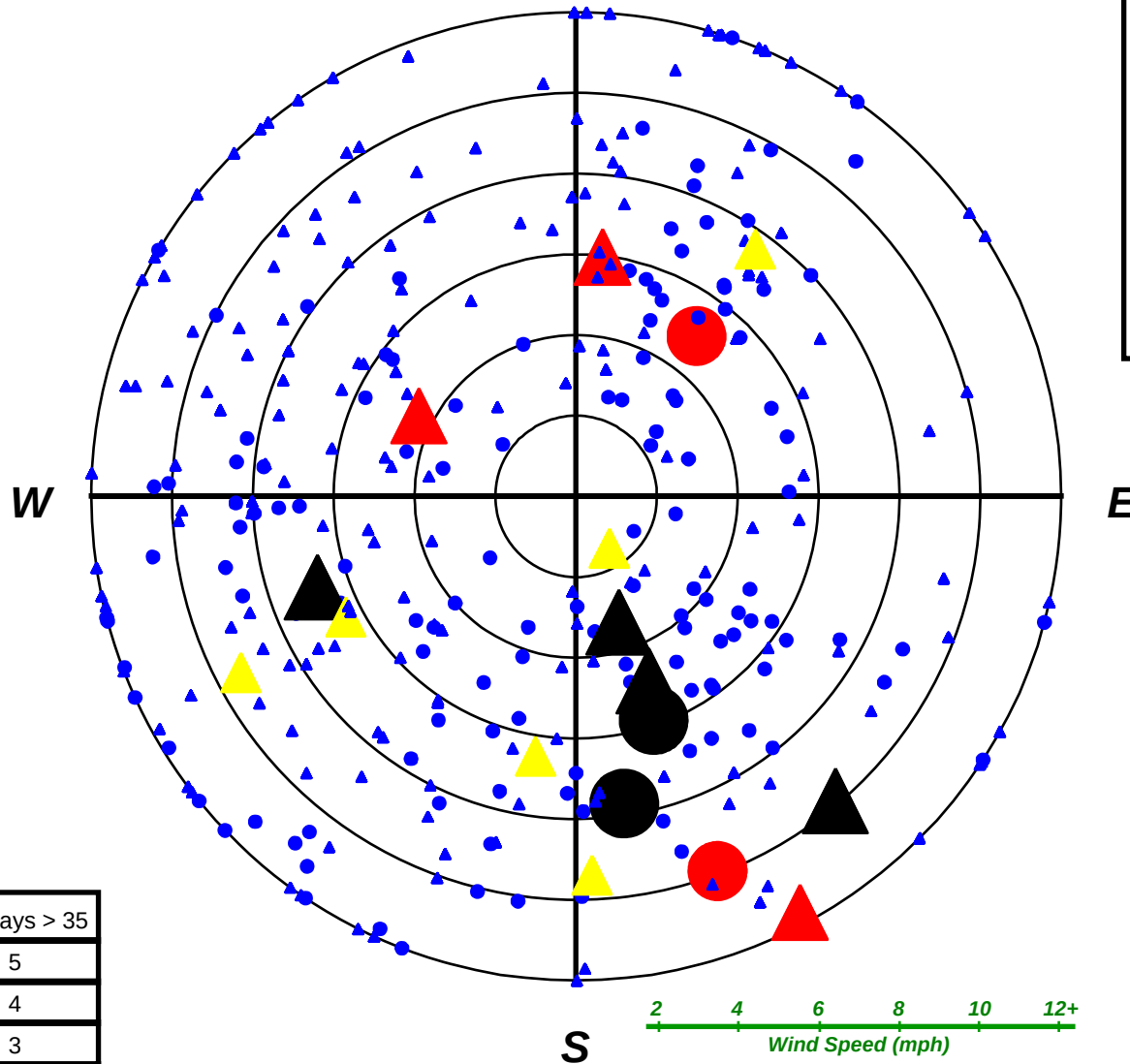
Site 550790043

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	37.1	5
2006	44.0	4
2007	38.0	3
Design Value	40-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 5.3 miles away
MILWAUKEE MITCHELL INTL AP (ID=14839)*

**Milwaukee-Racine, WI [Milwaukee County, WI]
Pollution Rose, 2005-2007**

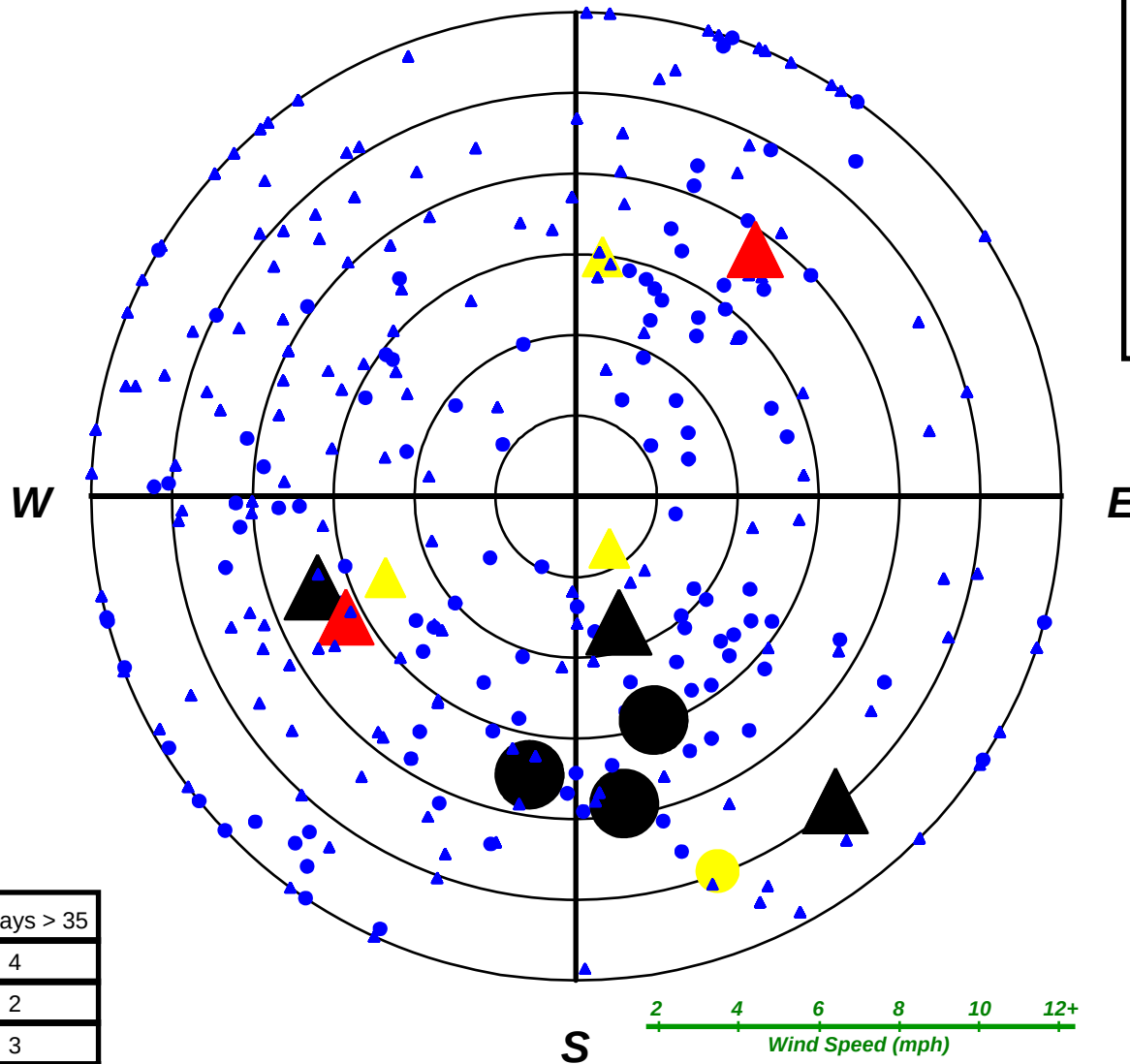
Site 550790059

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	41.3	4
2006	29.0	2
2007	40.8	3
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 1.8 miles away
MILWAUKEE_MITCHELL_INTL_AP (ID=14839)*

**Milwaukee-Racine, WI [Milwaukee County, WI]
Pollution Rose, 2005-2007**

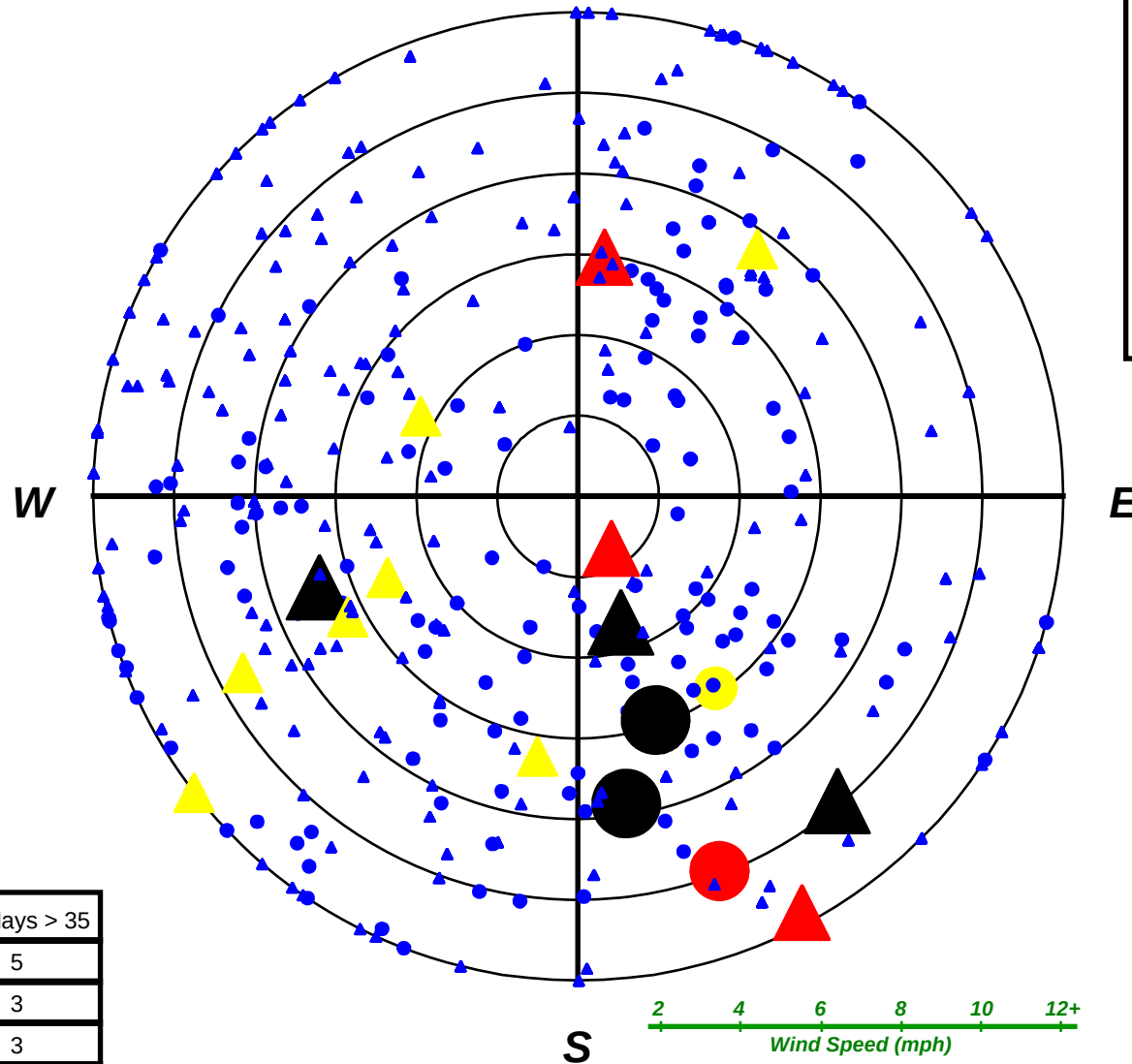
Site 550790099

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	37.1	5
2006	38.3	3
2007	40.7	3
Design Value	39-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 6.3 miles away
MILWAUKEE MITCHELL INTL AP (ID=14839)*

Milwaukee-Racine, WI [Ozaukee County, WI]
Pollution Rose, 2005-2007

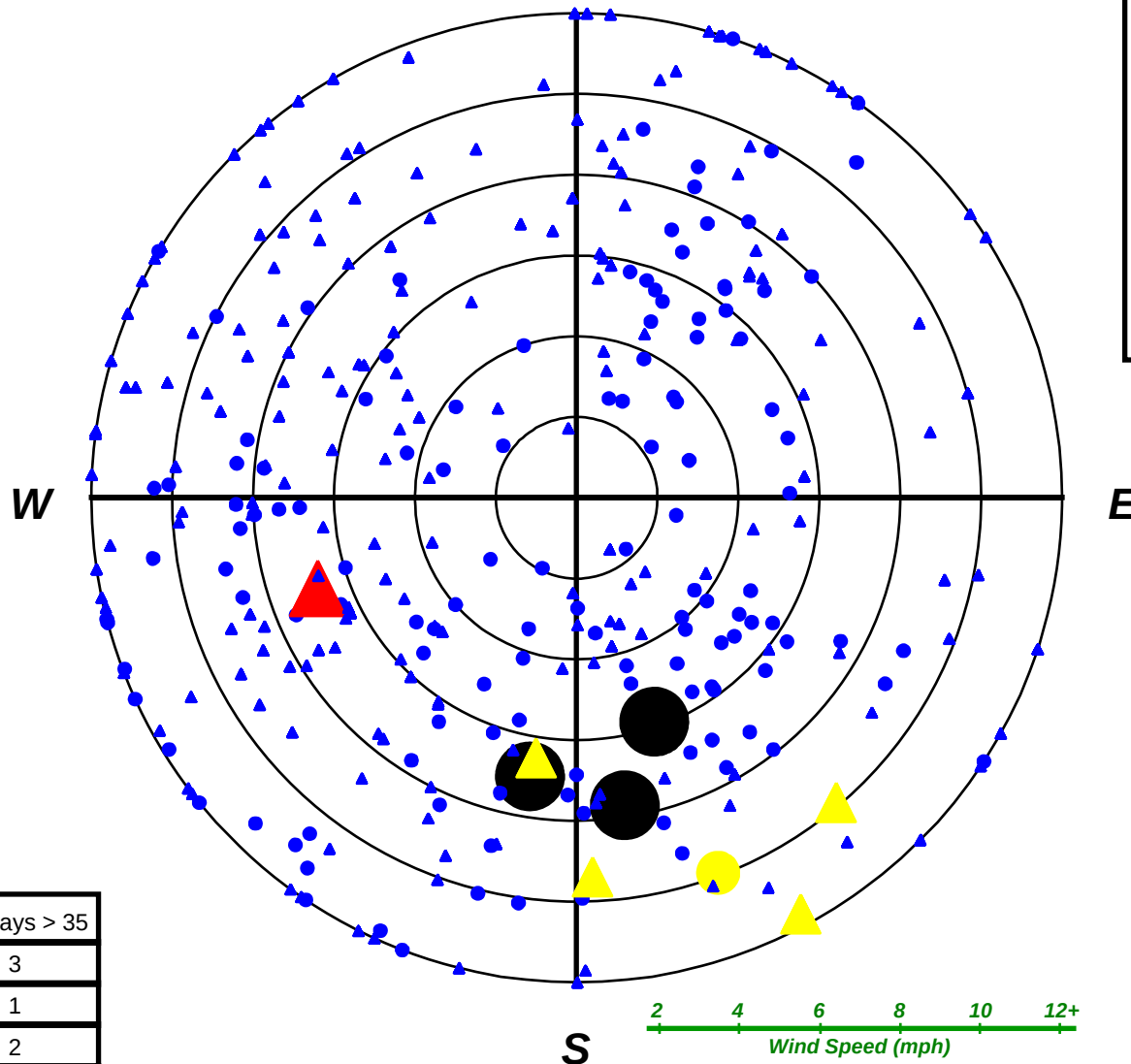
Site 550890009

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	37.4	3
2006	30.3	1
2007	34.5	2
Design Value	34-A	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 38.1 miles away
MILWAUKEE MITCHELL INTL AP (ID=14839)

**Milwaukee-Racine, WI [Waukesha County, WI]
Pollution Rose, 2005-2007**

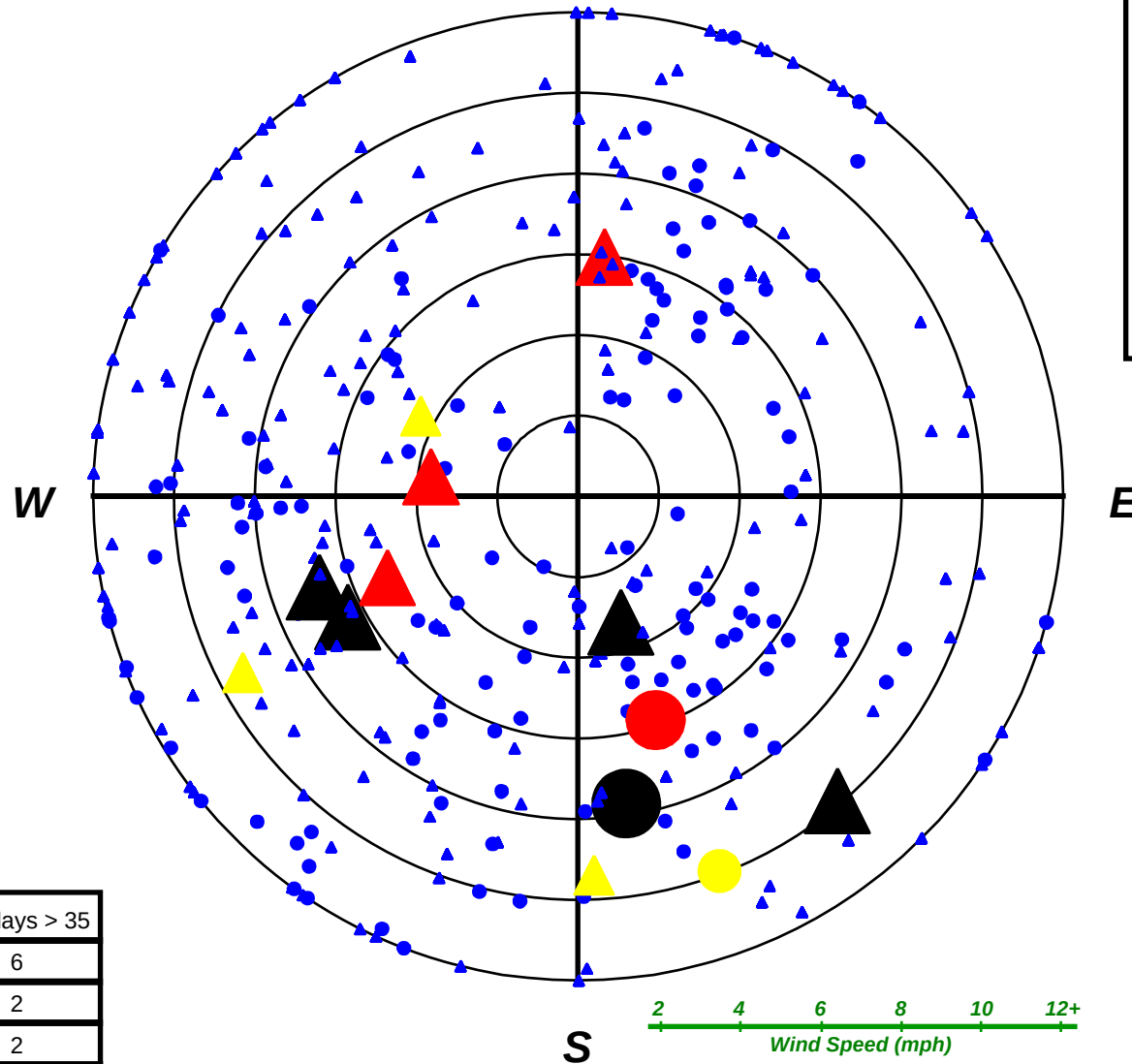
Site 551330027

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



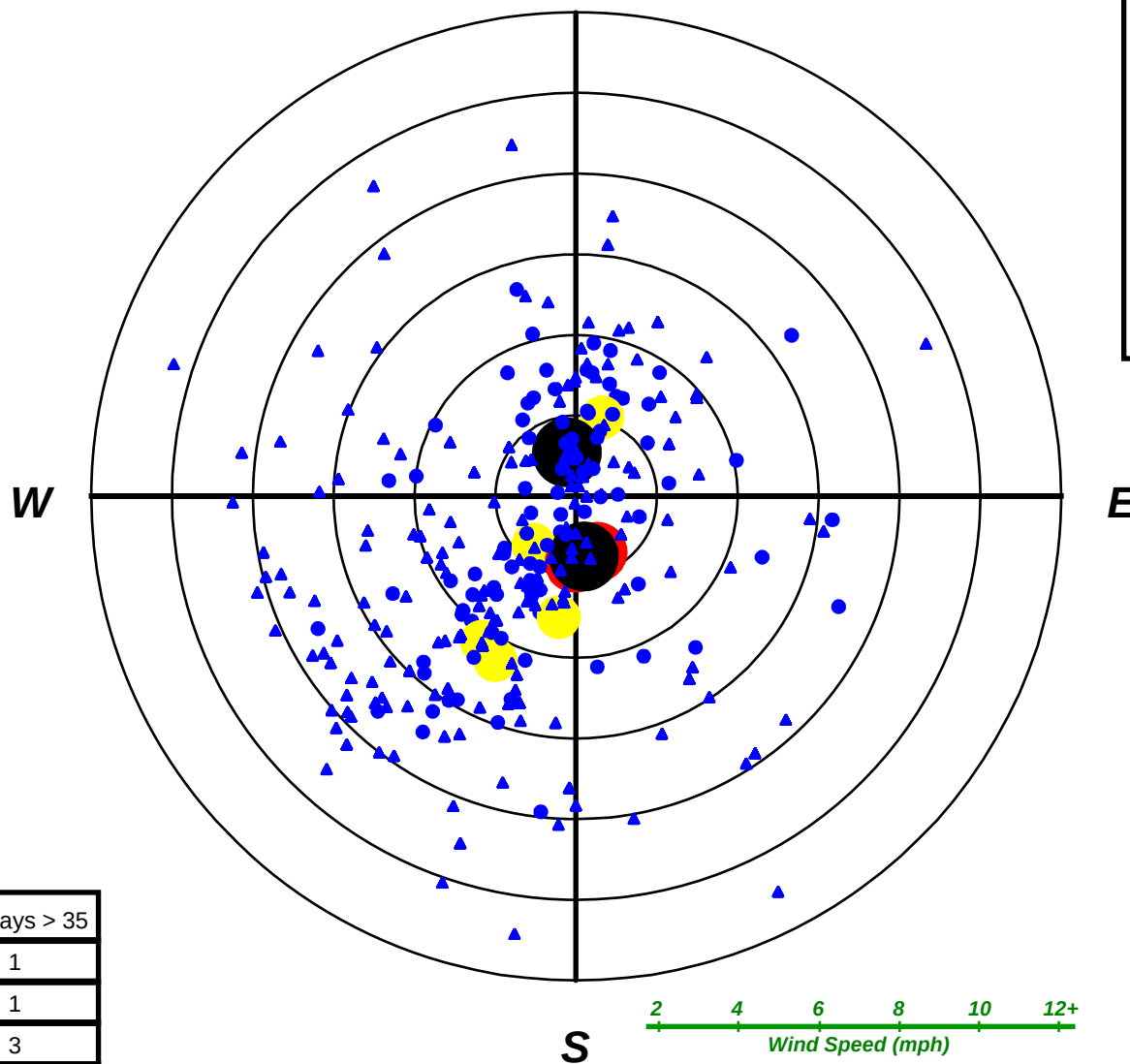
Year	98th %-ile	# days > 35
2005	41.1	6
2006	28.2	2
2007	33.8	2
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 16.6 miles away
MILWAUKEE MITCHELL INTL AP (ID=14839)*

**Morgantown, WV [Monongalia County, WV]
Pollution Rose, 2005-2007**

Site 540610003



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	35.1	1
2006	33.9	1
2007	39.8	3
Design Value	36-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 0.2 miles away
MORGANTOWN_HART_FIELD (ID=13736)

Muscatine, IA [Muscatine County, IA]
Pollution Rose, 2005-2007

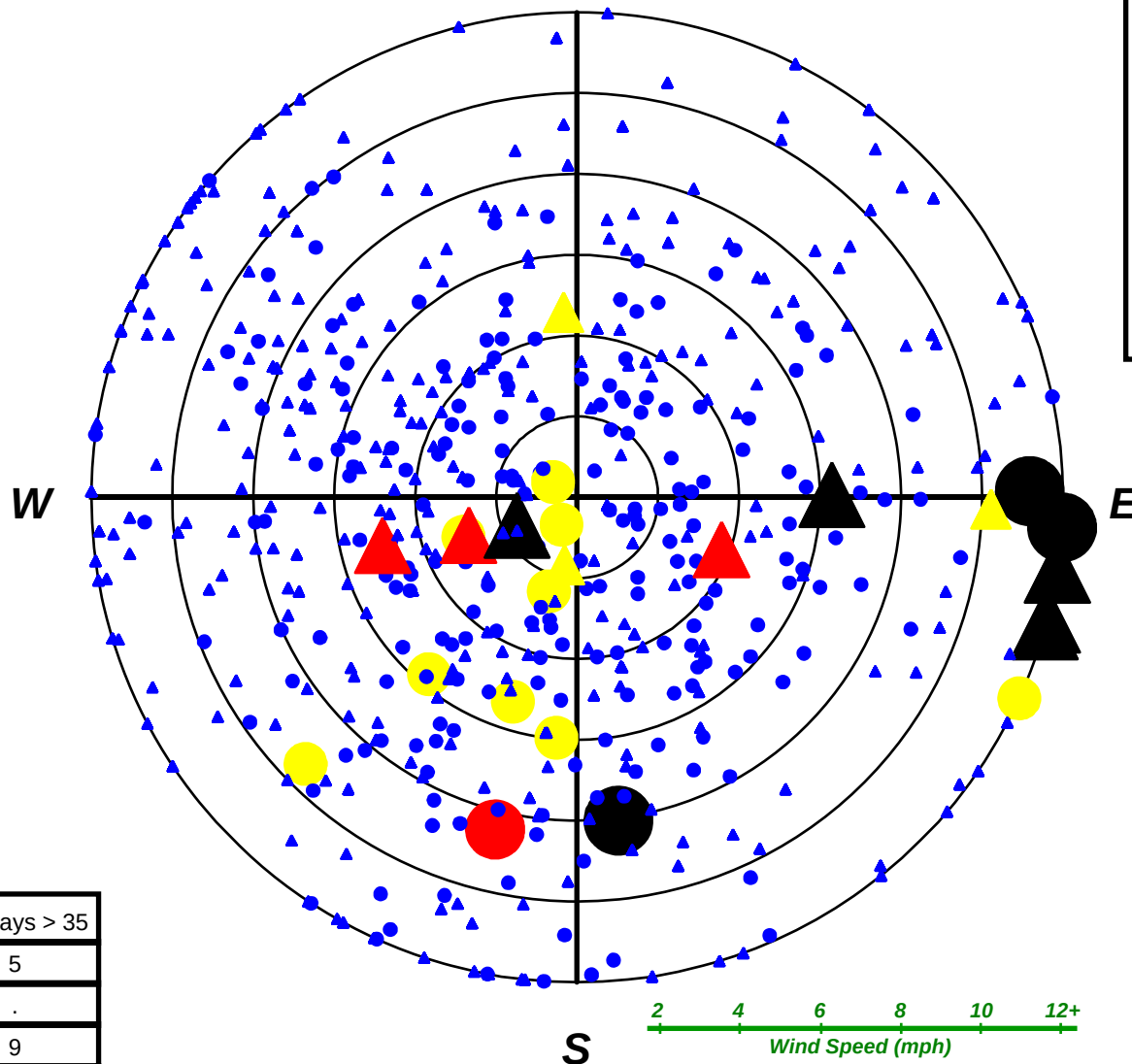
Site 191390015

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



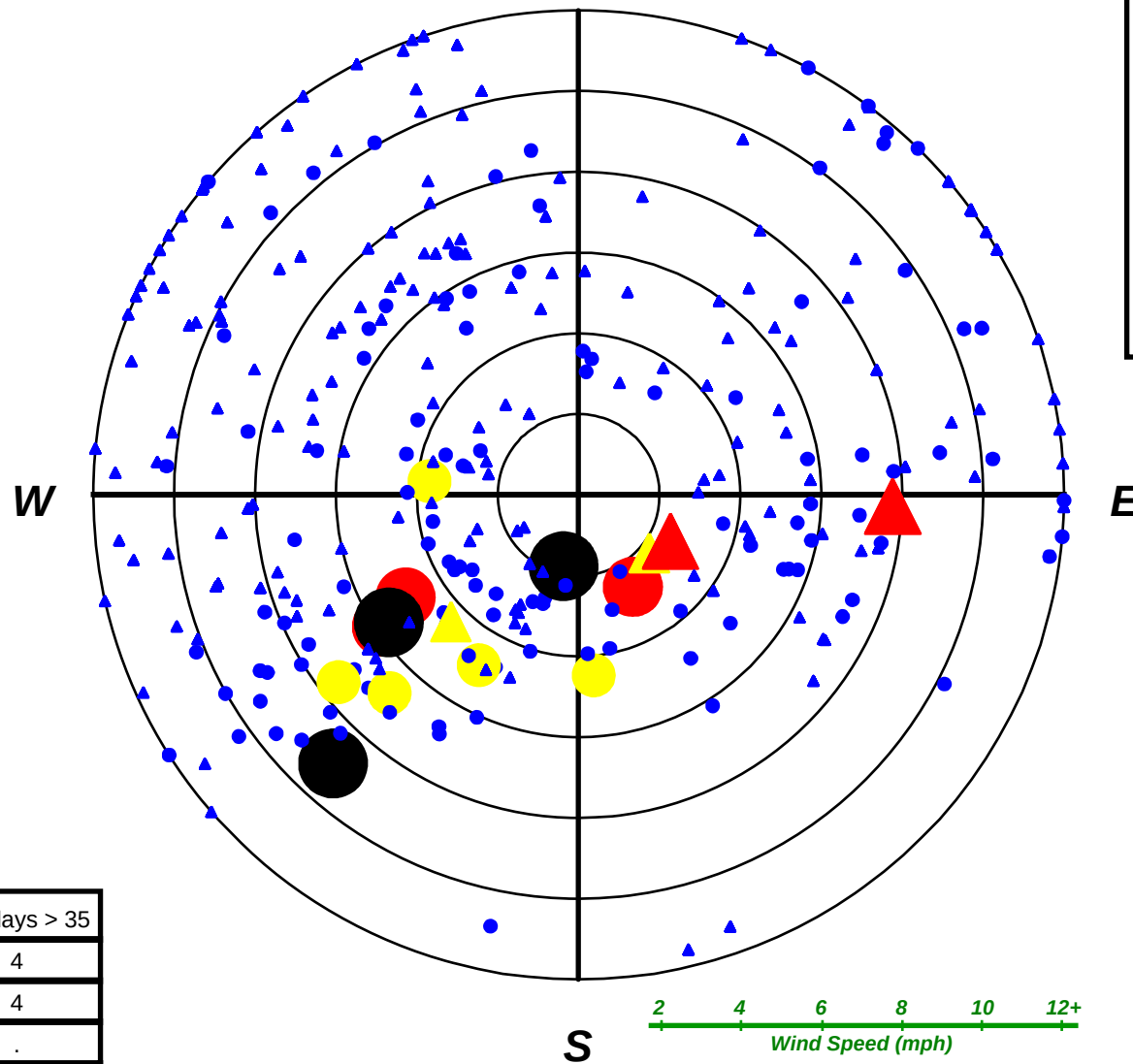
Year	98th %-ile	# days > 35
2005	36.8	5
2006	27.6	.
2007	44.0	9
Design Value	36-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 28.9 miles away
MOLINE_QUAD_CITY_INTL_AP (ID=14923)

New York-N. New Jersey-Long Island, NY-NJ-CT [Fairfield County, CT]
Pollution Rose, 2005-2007

Site 090010010



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	38.3	4
2006	36.7	4
2007	30.2	.
Design Value	35-A	

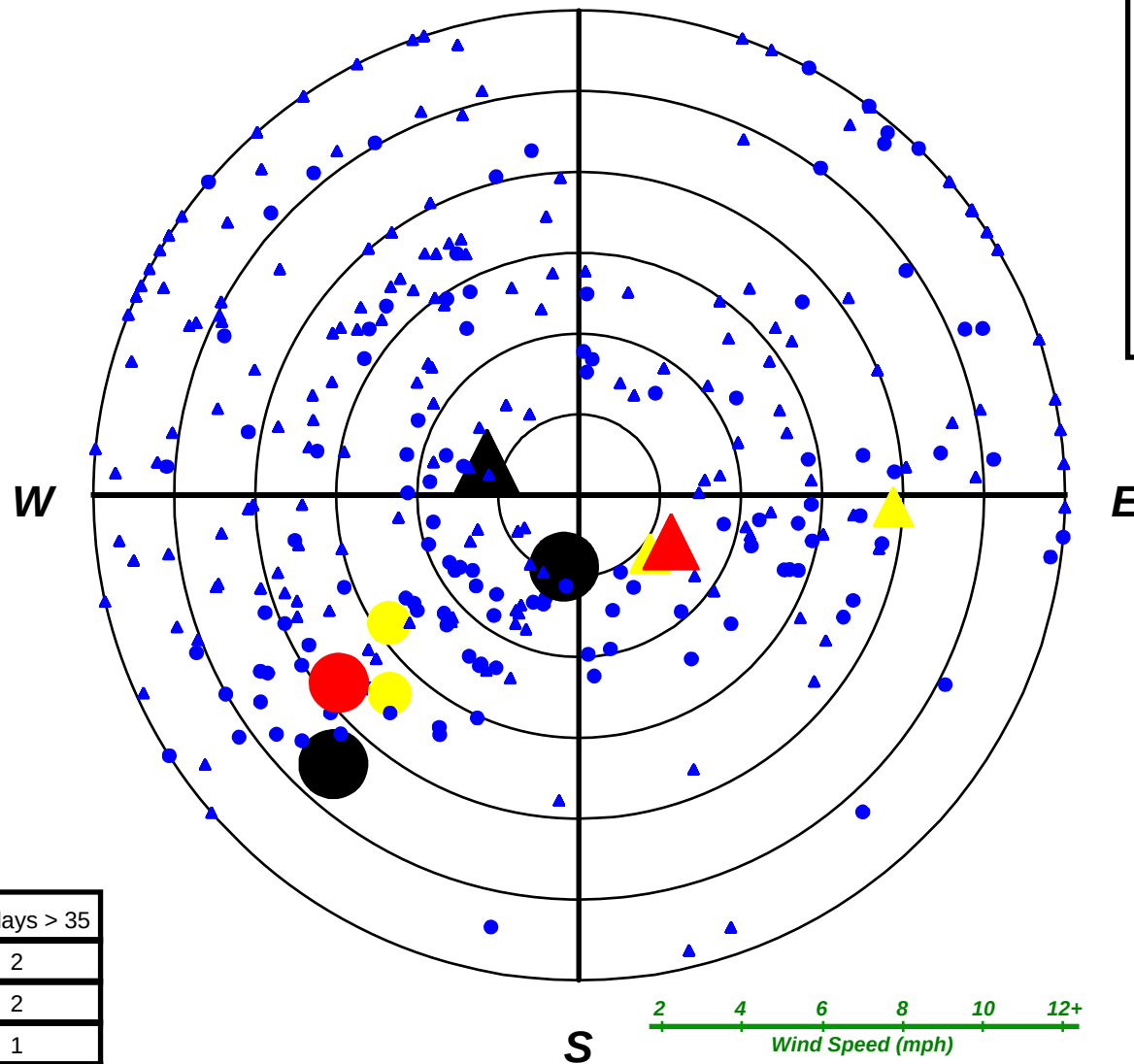
All exceedances plotted

2 4 6 8 10 12+
 Wind Speed (mph)

Meteorological data from 2.5 miles away
 BRIDGEPORT_SIKORSKY_MEMORIAL (ID=94702)

New York-N. New Jersey-Long Island, NY-NJ-CT [Fairfield County, CT]
Pollution Rose, 2005-2007

Site 090011123



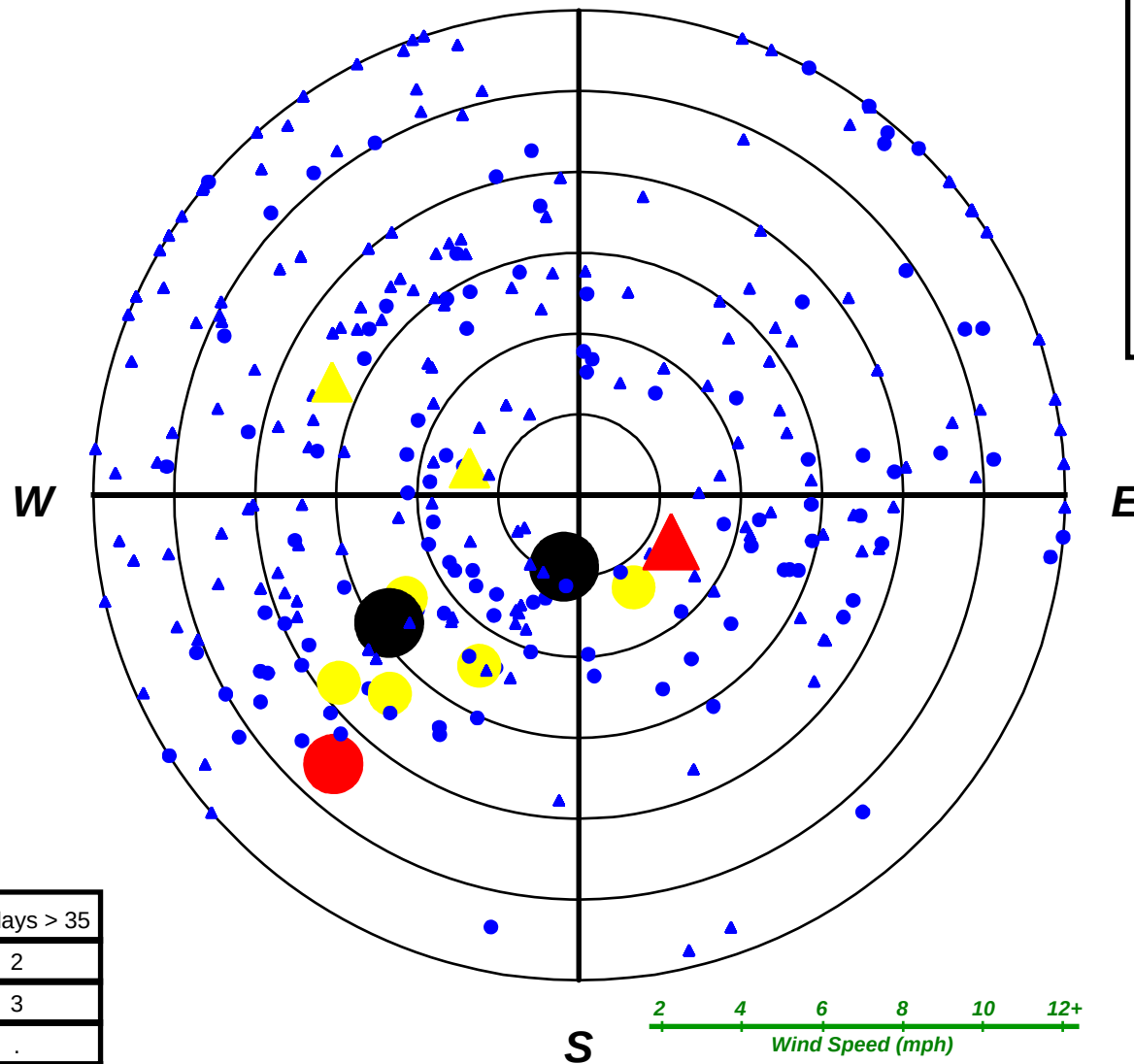
Year	98th %-ile	# days > 35
2005	33.4	2
2006	33.8	2
2007	30.4	1
Design Value	33-A	

All exceedances plotted

Meteorological data from 21.3 miles away
 BRIDGEPORT_SIKORSKY_MEMORIAL (ID=94702)

New York-N. New Jersey-Long Island, NY-NJ-CT [Fairfield County, CT]
Pollution Rose, 2005-2007

Site 090013005



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	34.9	2
2006	35.9	3
2007	31.9	.
Design Value	34-A	

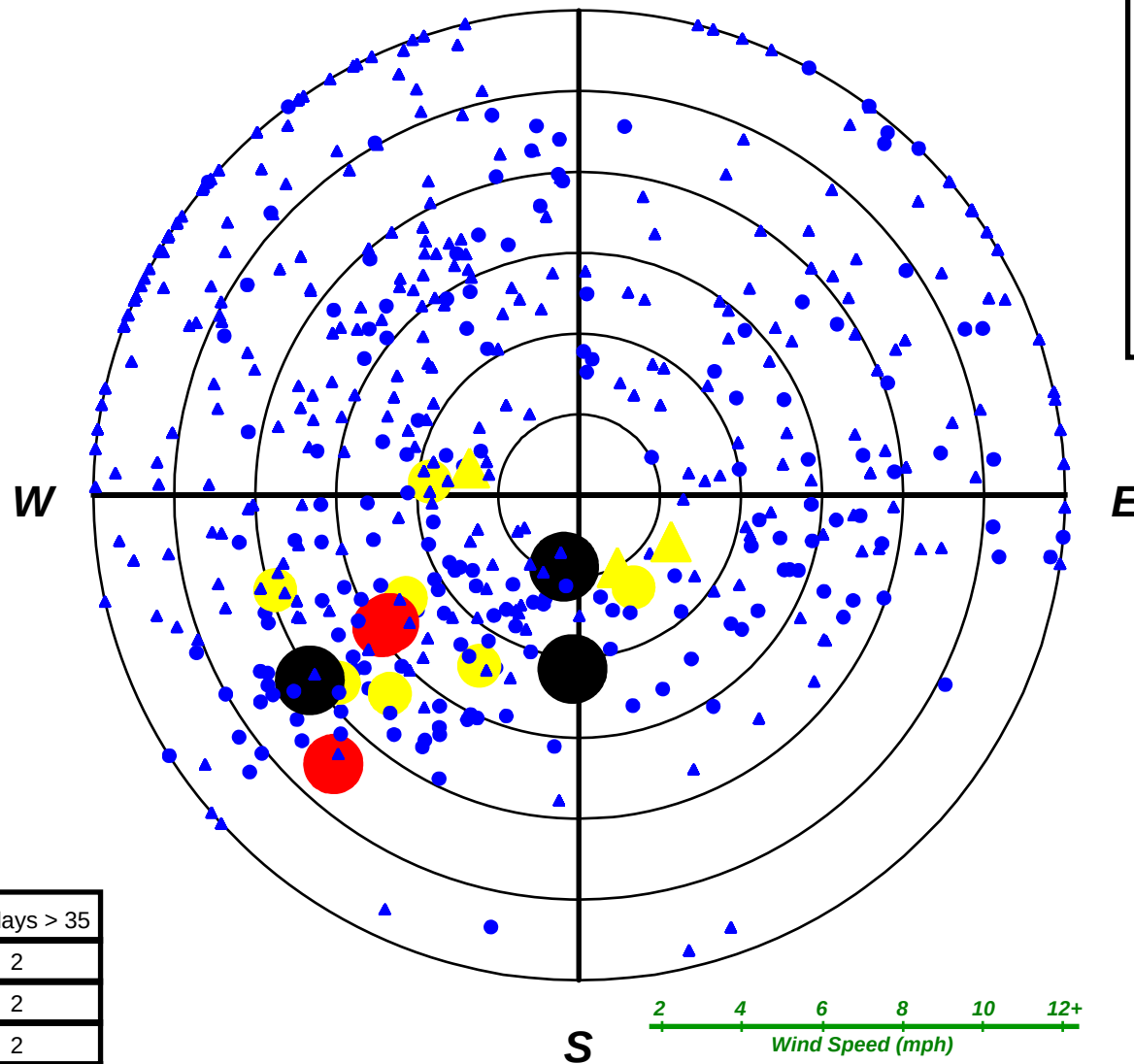
1 exceedance(s) not plotted
 (due to missing or variable wind data)

2 4 6 8 10 12+
 Wind Speed (mph)

Meteorological data from 14.2 miles away
 BRIDGEPORT_SIKORSKY_MEMORIAL (ID=94702)

New York-N. New Jersey-Long Island, NY-NJ-CT [Fairfield County, CT]
Pollution Rose, 2005-2007

Site 090019003



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	35.2	2
2006	31.3	2
2007	29.0	2
Design Value	32-A	

All exceedances plotted

Meteorological data from 10.7 miles away
 BRIDGEPORT_SIKORSKY_MEMORIAL (ID=94702)

New York-N. New Jersey-Long Island, NY-NJ-CT [Litchfield County, CT]
Pollution Rose, 2005-2007

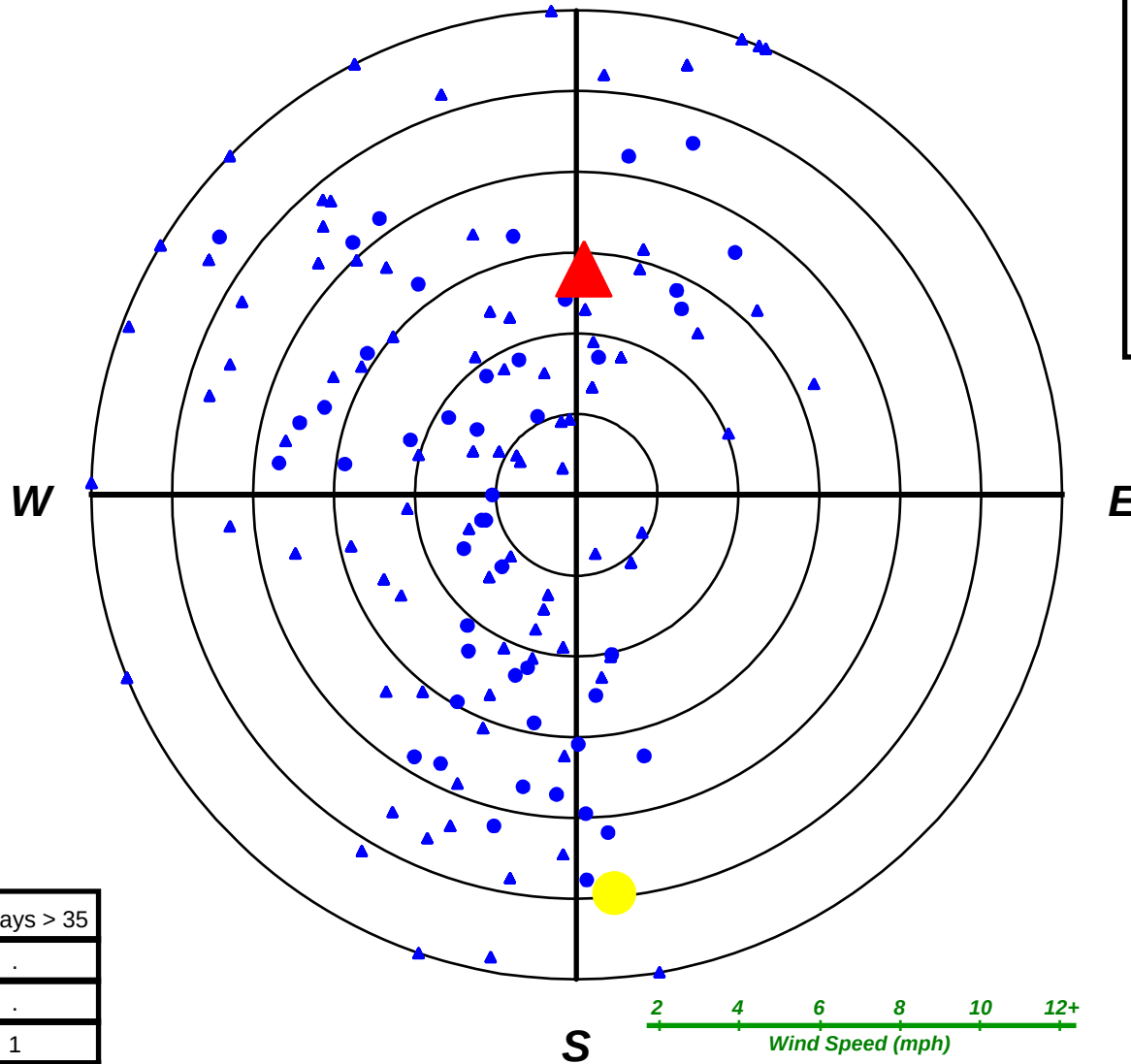
Site 090050004

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	.	.
2006	24.2	.
2007	29.3	1
Design Value	27-inc-a	

All exceedances plotted

2 4 6 8 10 12+
 Wind Speed (mph)

Meteorological data from 28.5 miles away
 HARTFORD_BRADLEY_INTL_AP (ID=14740)

New York-N. New Jersey-Long Island, NY-NJ-CT [Litchfield County, CT]
Pollution Rose, 2005-2007

Site 090050005

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

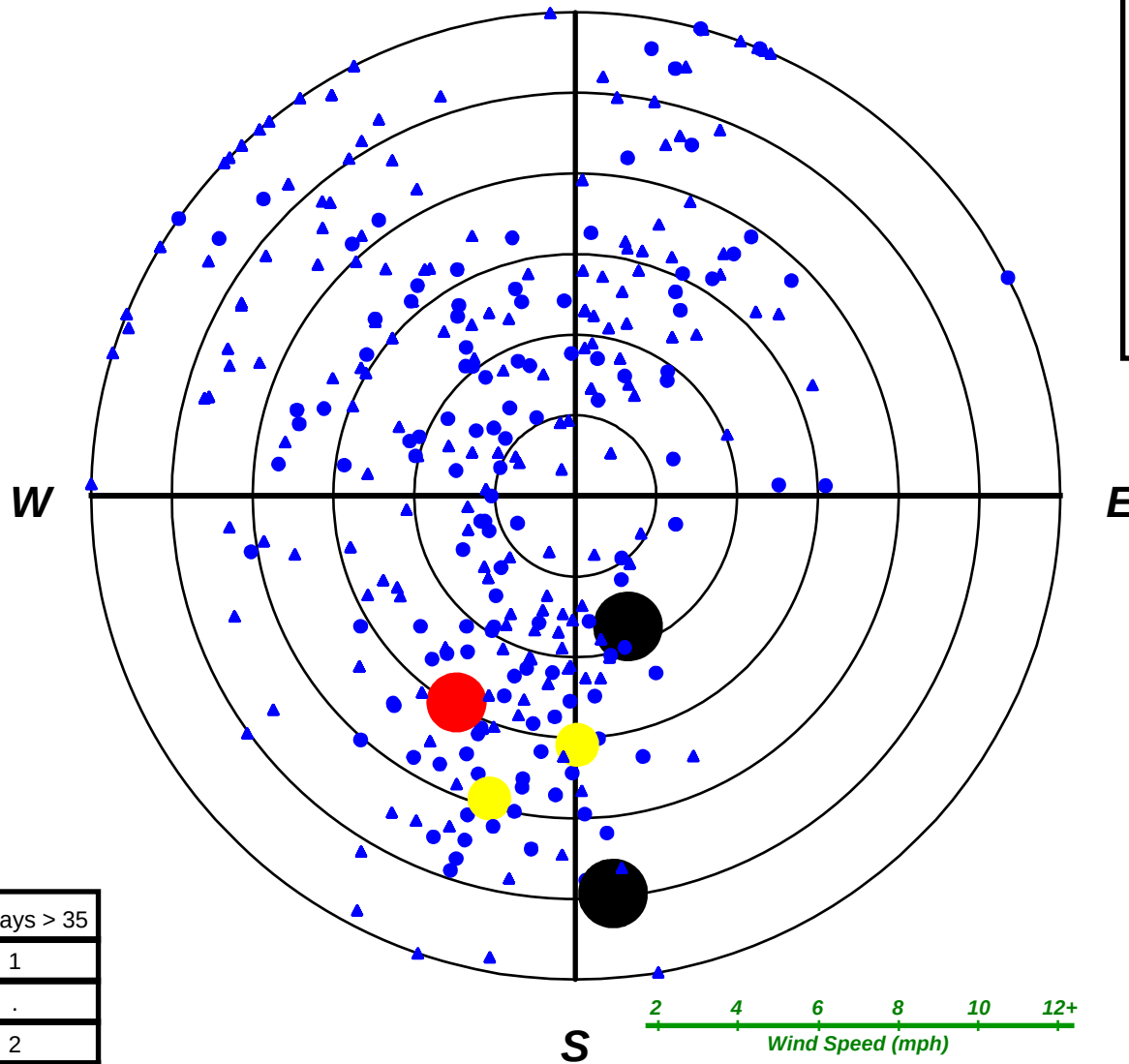
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



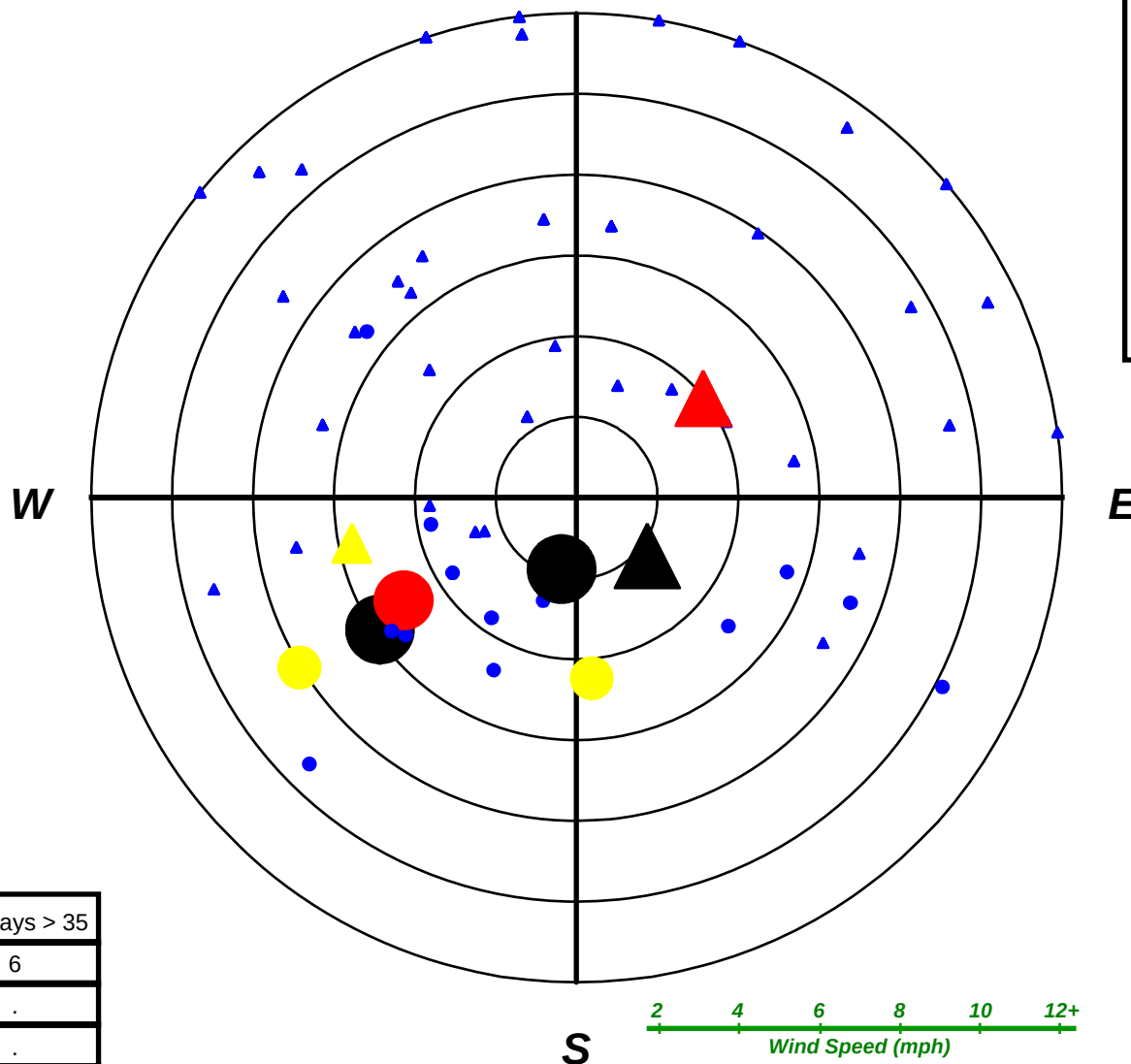
Year	98th %-ile	# days > 35
2005	25.4	1
2006	25.1	.
2007	31.0	2
Design Value	27-A	

All exceedances plotted

Meteorological data from 32.5 miles away
HARTFORD_BRADLEY_INTL_AP (ID=14740)

New York-N. New Jersey-Long Island, NY-NJ-CT [New Haven County, CT]
Pollution Rose, 2005-2007

Site 090090018



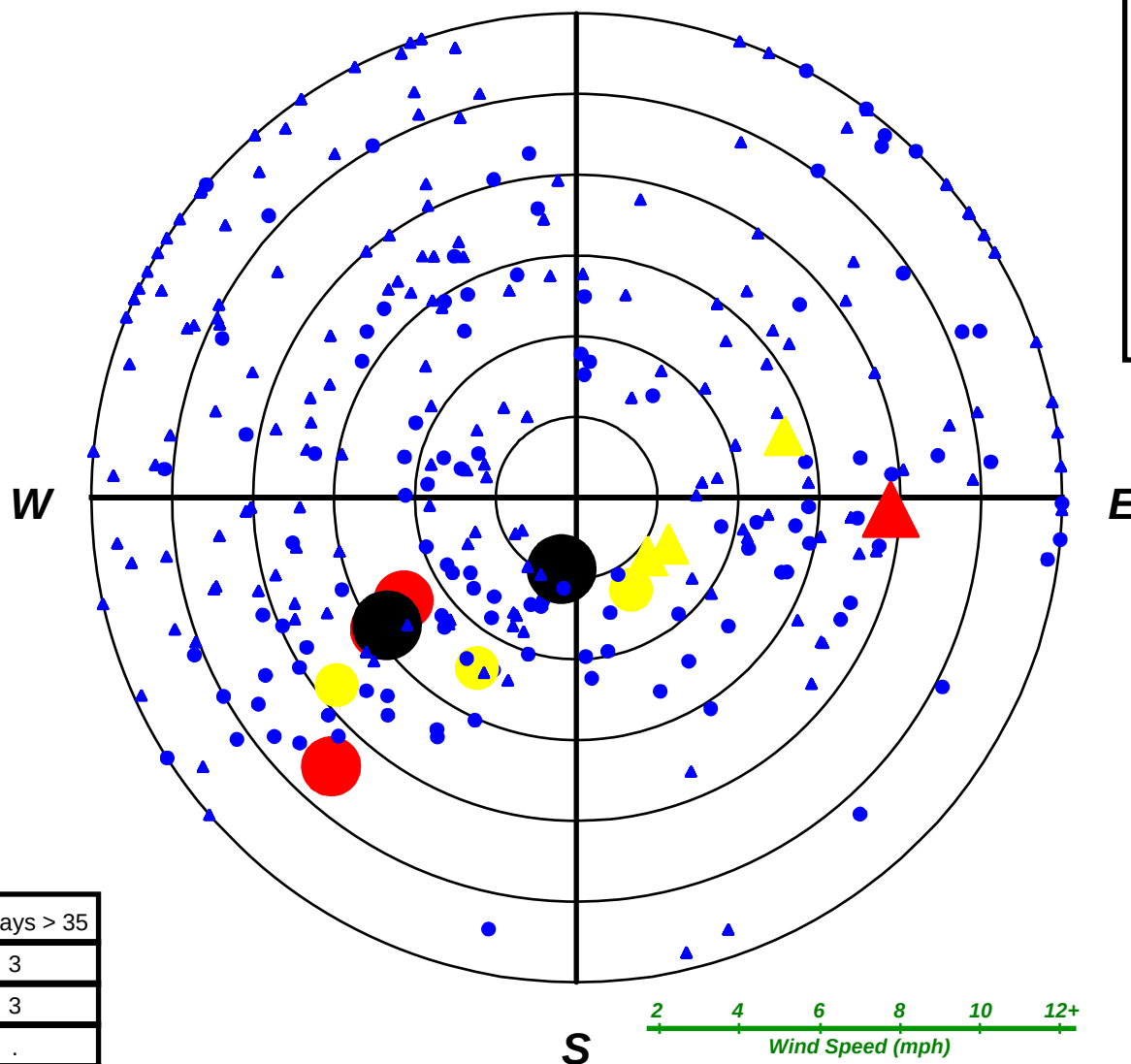
Year	98th %-ile	# days > 35
2005	43.9	6
2006	.	.
2007	.	.
Design Value	44-X	

1 exceedance(s) not plotted
 (due to missing or variable wind data)

Meteorological data from 15.0 miles away
 BRIDGEPORT_SIKORSKY_MEMORIAL (ID=94702)

New York-N. New Jersey-Long Island, NY-NJ-CT [New Haven County, CT]
Pollution Rose, 2005-2007

Site 090090026



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

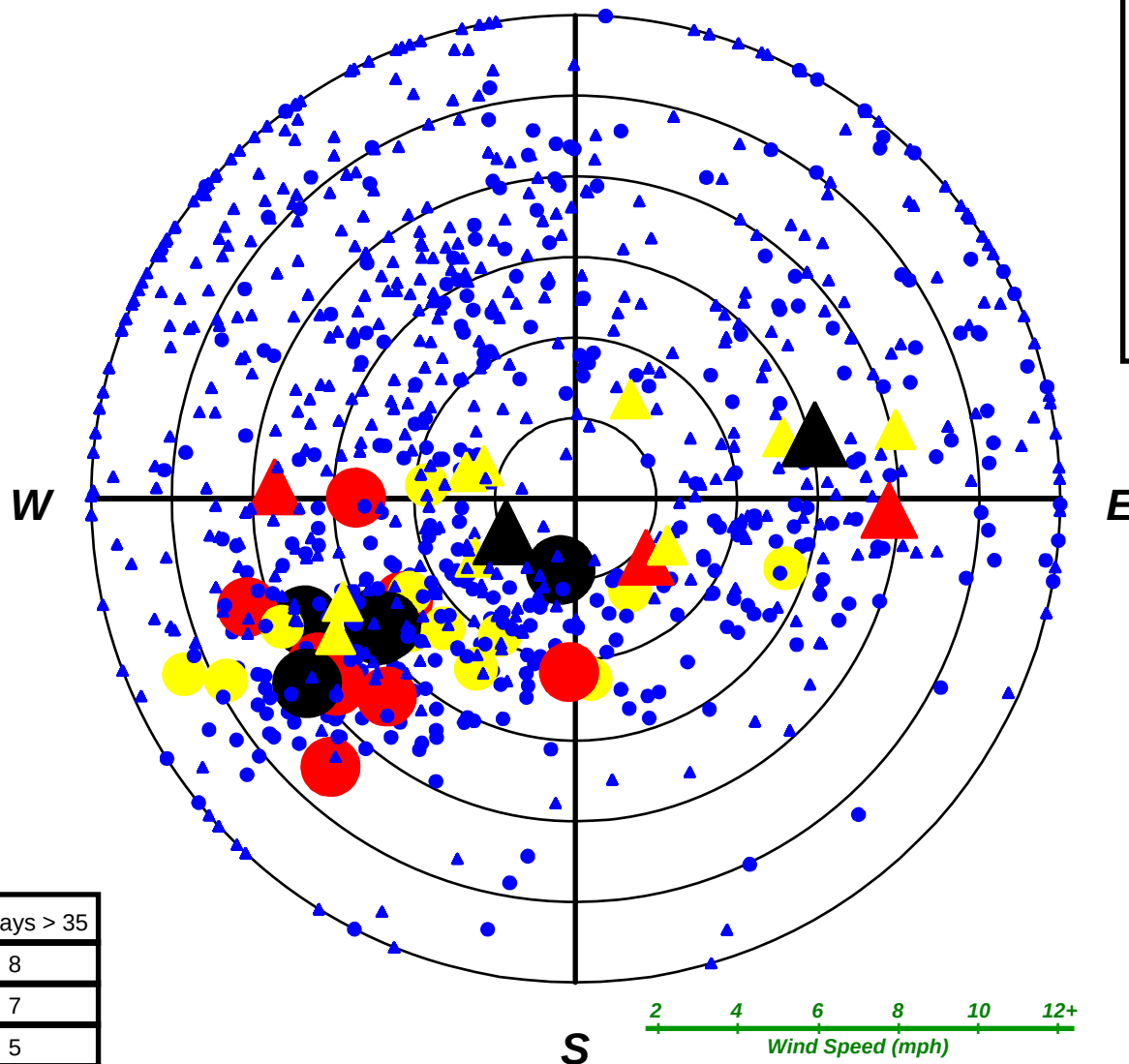
Year	98th %-ile	# days > 35
2005	36.4	3
2006	36.5	3
2007	29.8	.
Design Value	34-A	

All exceedances plotted

Meteorological data from 15.3 miles away
 BRIDGEPORT_SIKORSKY_MEMORIAL (ID=94702)

New York-N. New Jersey-Long Island, NY-NJ-CT [New Haven County, CT]
Pollution Rose, 2005-2007

Site 090090027



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	38.2	8
2006	36.7	7
2007	30.5	5
Design Value	35-A	

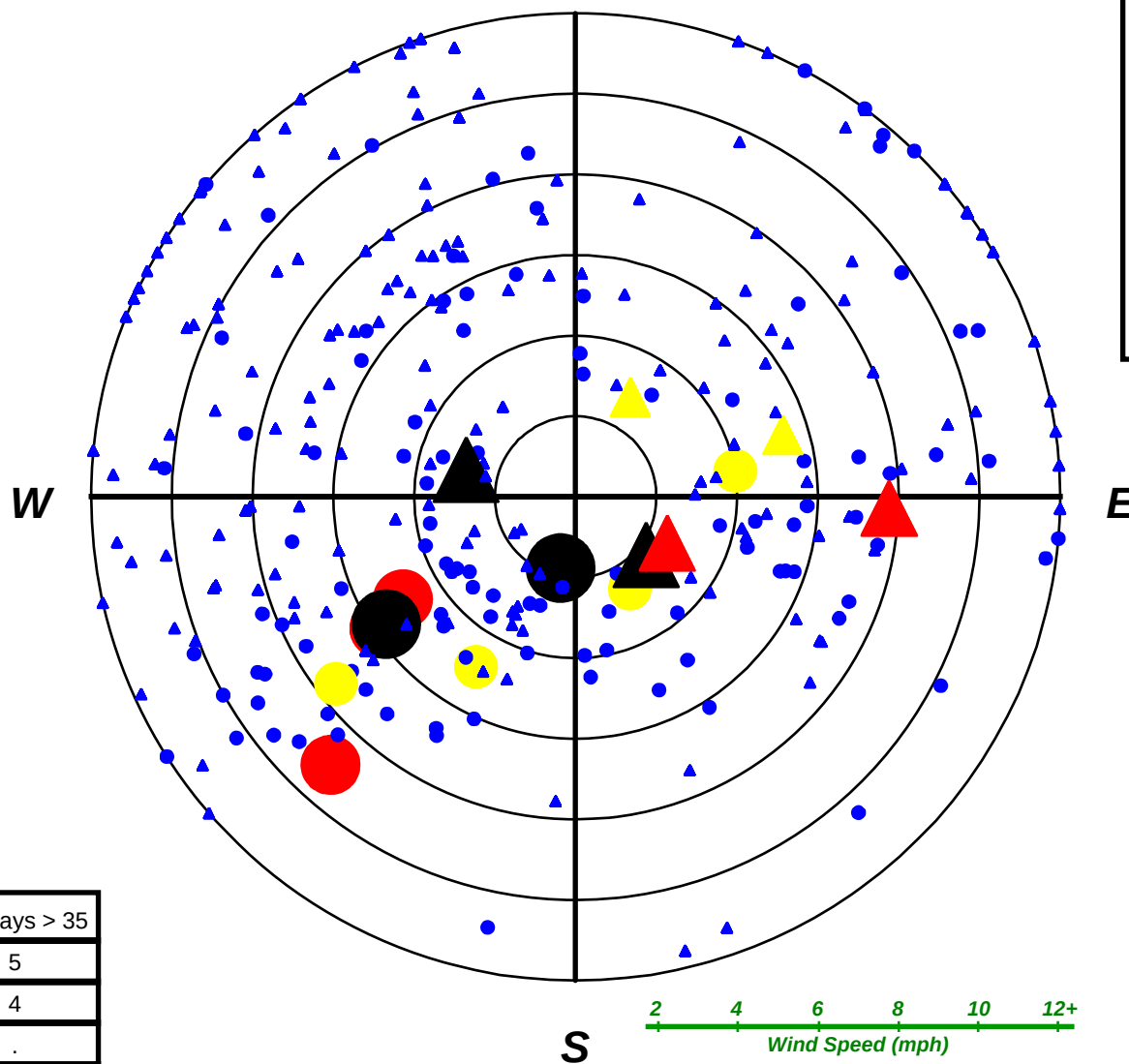
1 exceedance(s) not plotted
 (due to missing or variable wind data)

2 4 6 8 10 12+
 Wind Speed (mph)

Meteorological data from 15.2 miles away
 BRIDGEPORT_SIKORSKY_MEMORIAL (ID=94702)

New York-N. New Jersey-Long Island, NY-NJ-CT [New Haven County, CT]
Pollution Rose, 2005-2007

Site 090091123



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

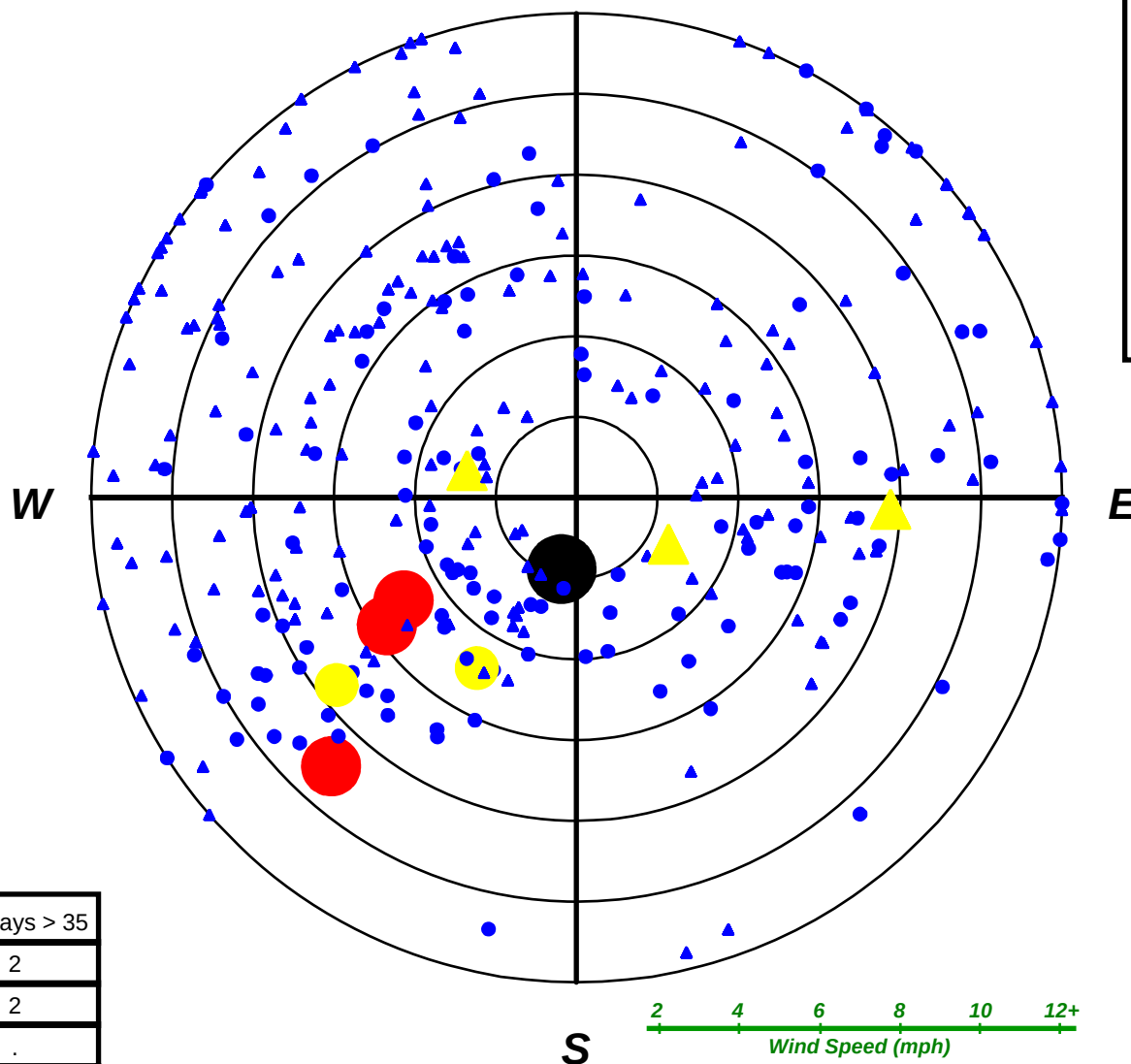
Year	98th %-ile	# days > 35
2005	40.8	5
2006	38.0	4
2007	30.6	.
Design Value	36-NA	

All exceedances plotted

Meteorological data from 15.0 miles away
 BRIDGEPORT_SIKORSKY_MEMORIAL (ID=94702)

New York-N. New Jersey-Long Island, NY-NJ-CT [New Haven County, CT]
Pollution Rose, 2005-2007

Site 090092008



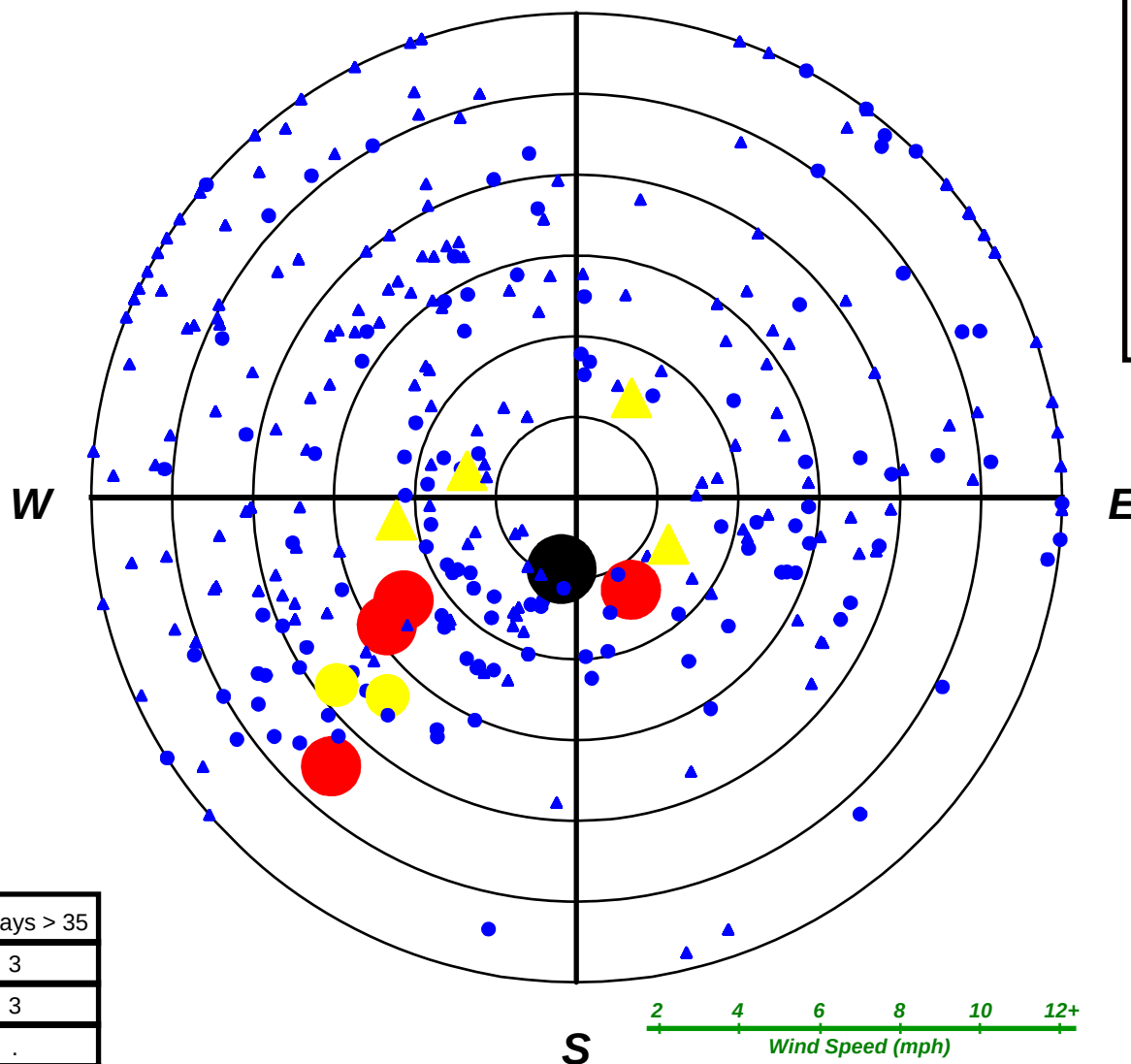
Year	98th %-ile	# days > 35
2005	32.8	2
2006	33.9	2
2007	28.5	.
Design Value	32-A	

All exceedances plotted

Meteorological data from 15.8 miles away
 BRIDGEPORT_SIKORSKY_MEMORIAL (ID=94702)

New York-N. New Jersey-Long Island, NY-NJ-CT [New Haven County, CT]
Pollution Rose, 2005-2007

Site 090092123



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

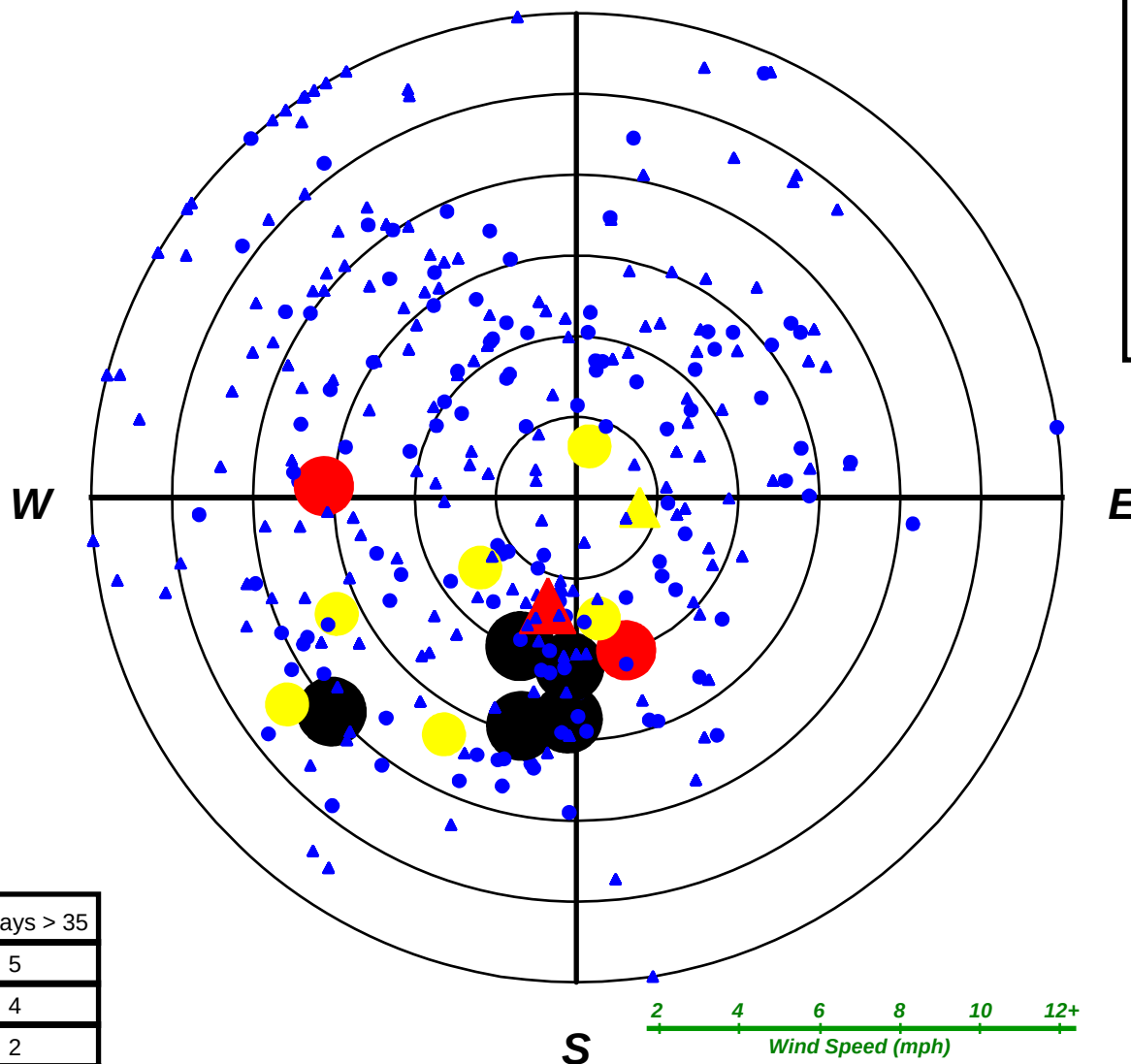
Year	98th %-ile	# days > 35
2005	35.9	3
2006	35.6	3
2007	32.7	.
Design Value	35-A	

1 exceedance(s) not plotted
 (due to missing or variable wind data)

Meteorological data from 26.0 miles away
 BRIDGEPORT_SIKORSKY_MEMORIAL (ID=94702)

New York-N. New Jersey-Long Island, NY-NJ-CT [Bergen County, NJ]
Pollution Rose, 2005-2007

Site 340030003



Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

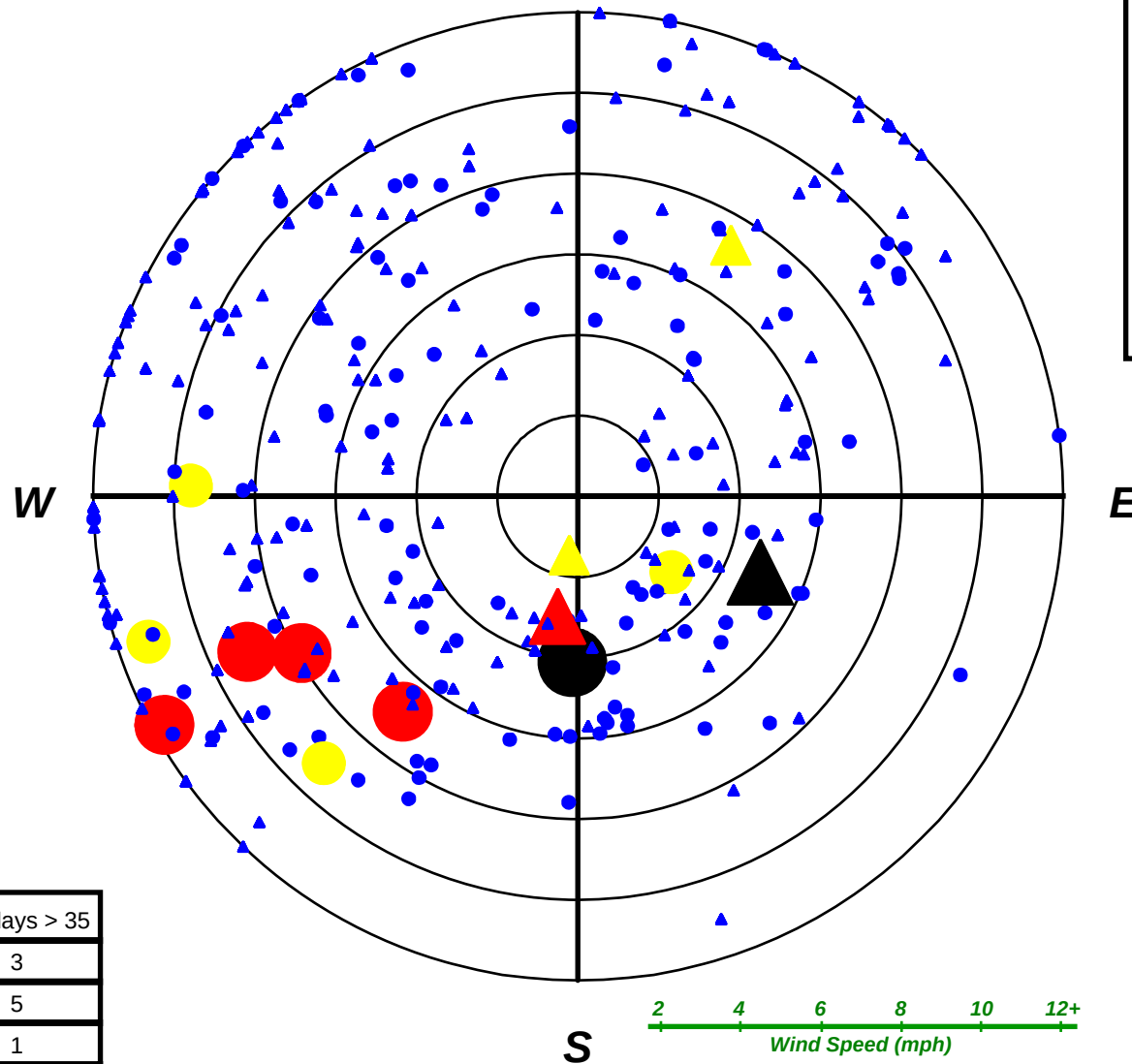
Year	98th %-ile	# days > 35
2005	40.5	5
2006	38.2	4
2007	34.5	2
Design Value	38-NA	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 4.9 miles away
TETERBORO_AIRPORT (ID=94741)

New York-N. New Jersey-Long Island, NY-NJ-CT [Essex County, NJ]
Pollution Rose, 2005-2007

Site 340130015



Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

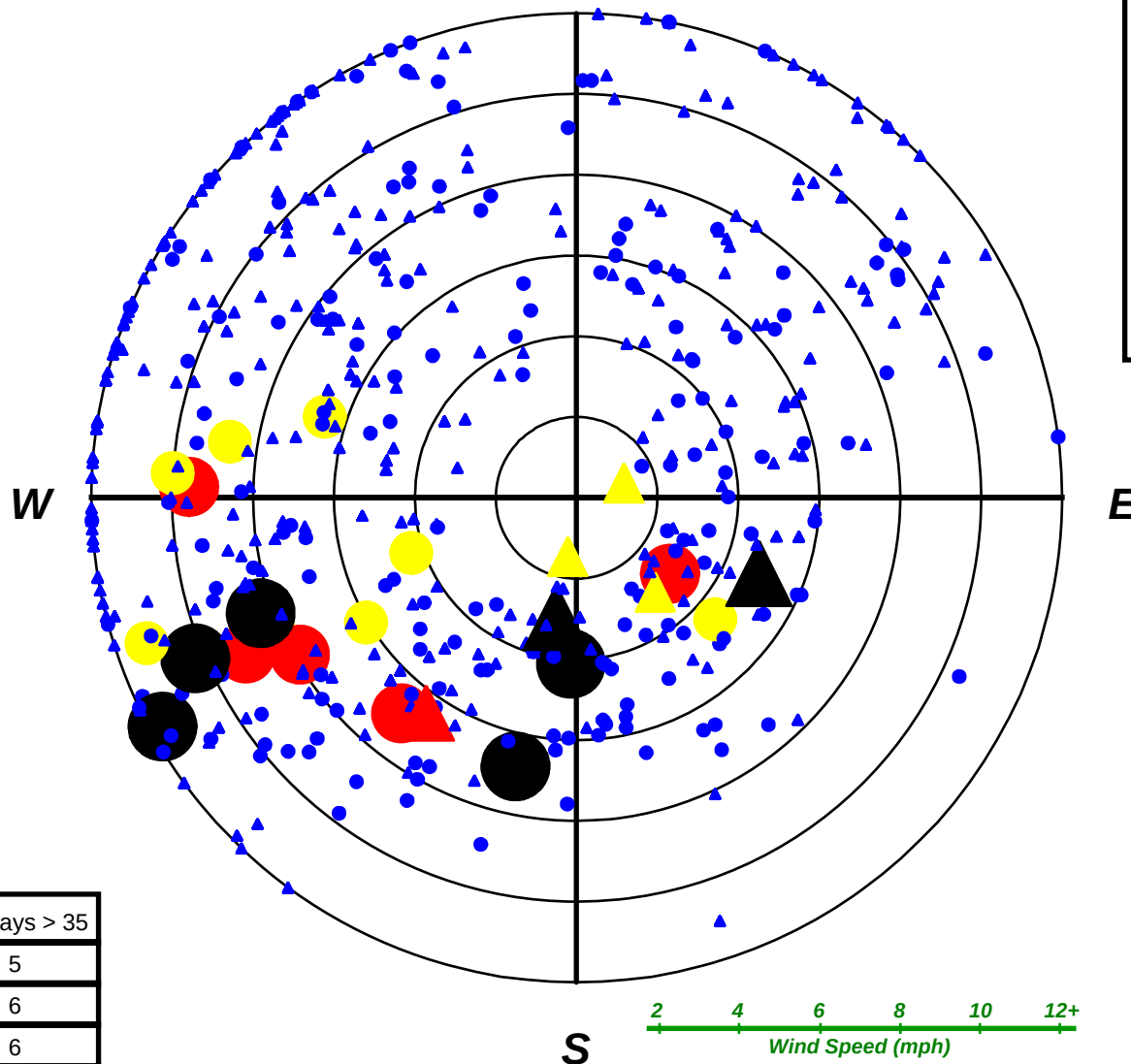
Year	98th %-ile	# days > 35
2005	40.4	3
2006	39.9	5
2007	34.9	1
Design Value	38-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 1.6 miles away
NEWARK INTERNATIONAL ARPT (ID=14734)

New York-N. New Jersey-Long Island, NY-NJ-CT [Hudson County, NJ]
Pollution Rose, 2005-2007

Site 340171003



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	37.9	5
2006	41.0	6
2007	34.9	6
Design Value	38-NA	

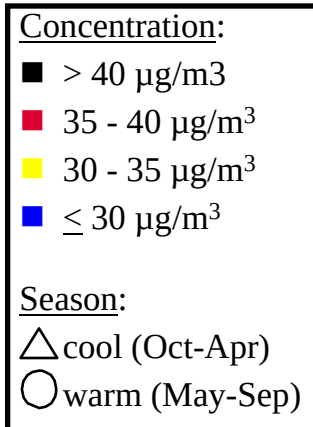
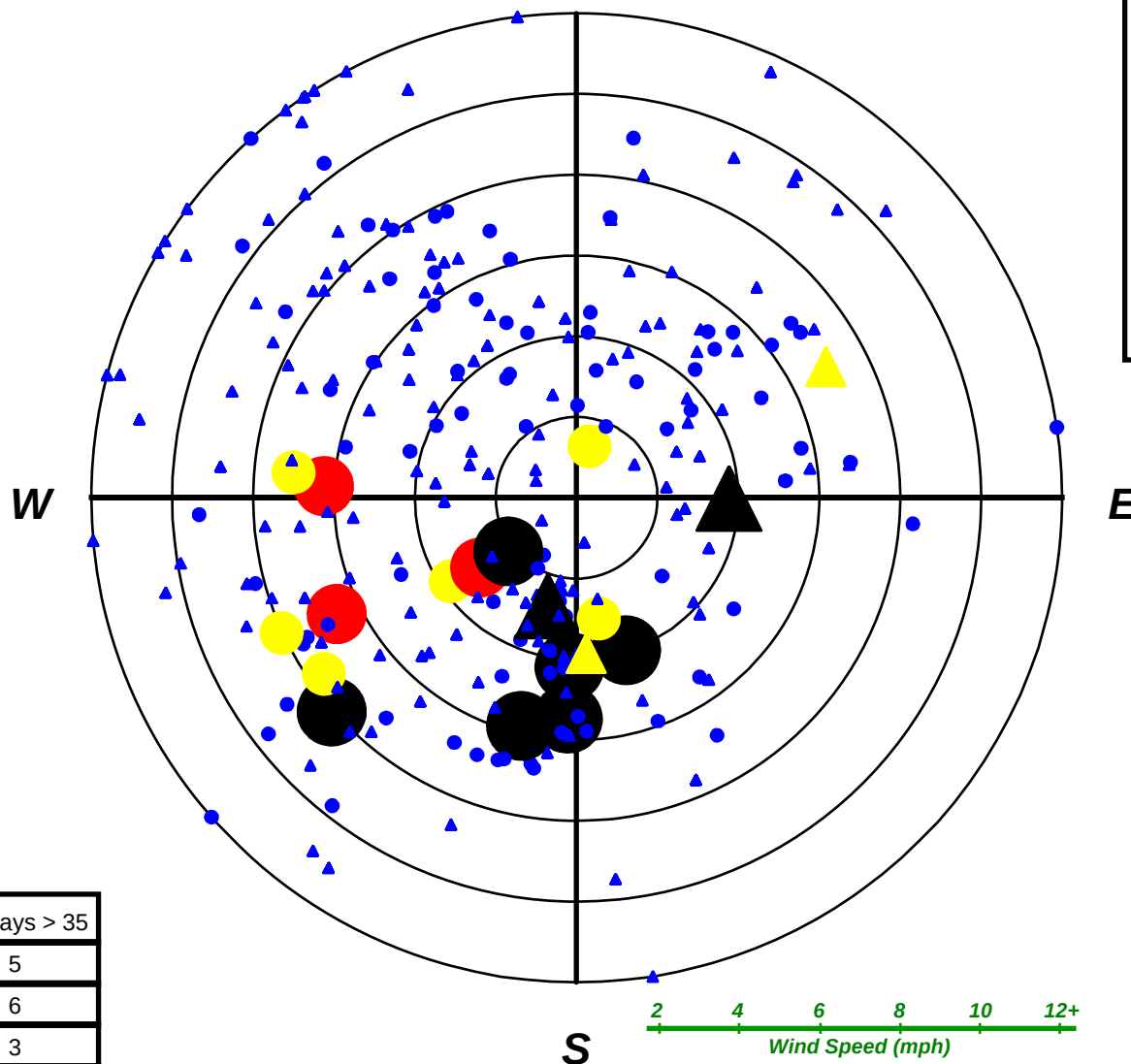
4 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 6.9 miles away
NEWARK INTERNATIONAL ARPT (ID=14734)

**New York-N. New Jersey-Long Island, NY-NJ-CT [Hudson County, NJ]
Pollution Rose, 2005-2007**

Site 340172002



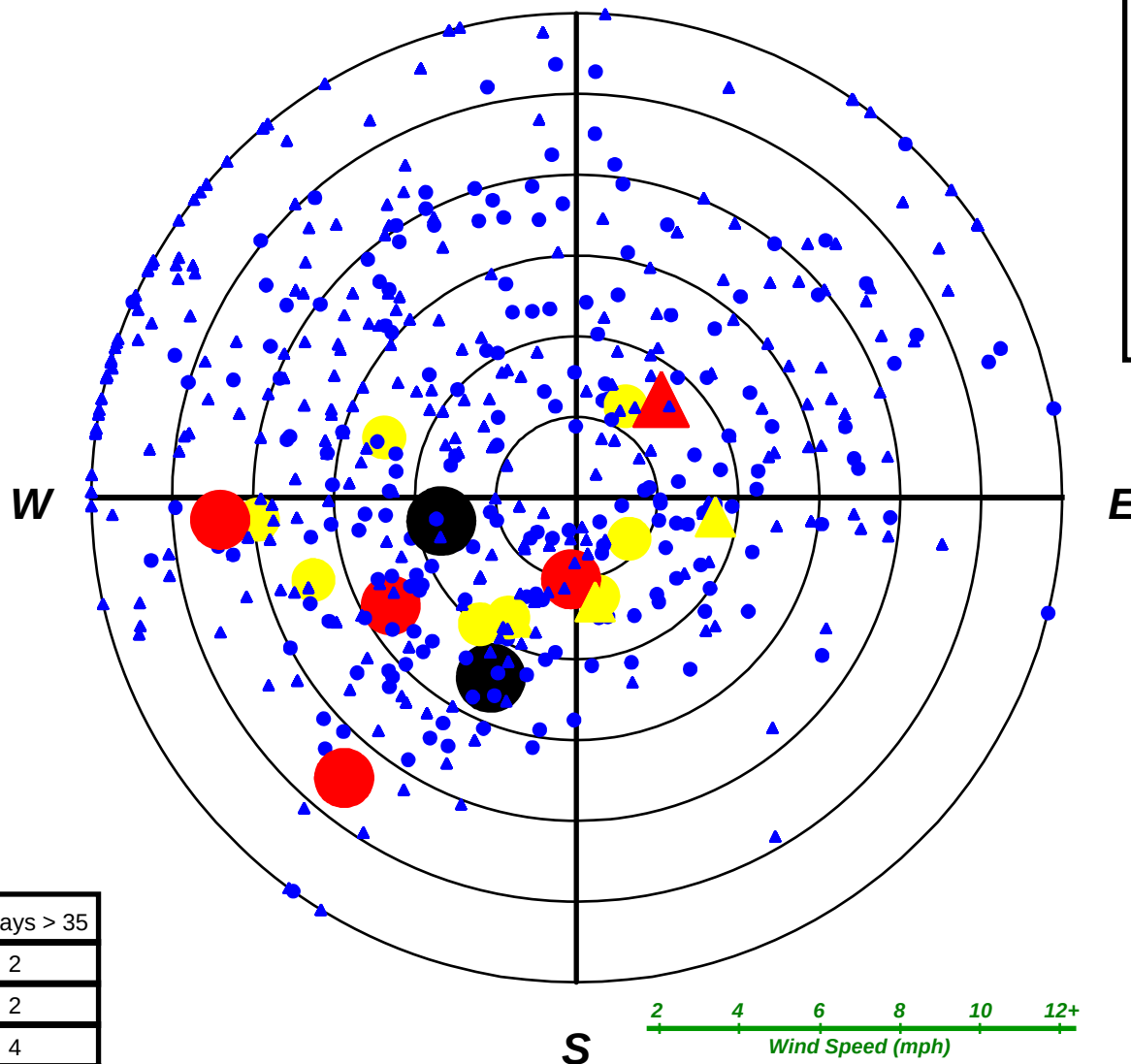
Year	98th %-ile	# days > 35
2005	44.3	5
2006	40.9	6
2007	39.1	3
Design Value	41-NA	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.6 miles away
TETERBORO_AIRPORT (ID=94741)

New York-N. New Jersey-Long Island, NY-NJ-CT [Mercer County, NJ]
Pollution Rose, 2005-2007

Site 340210008



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

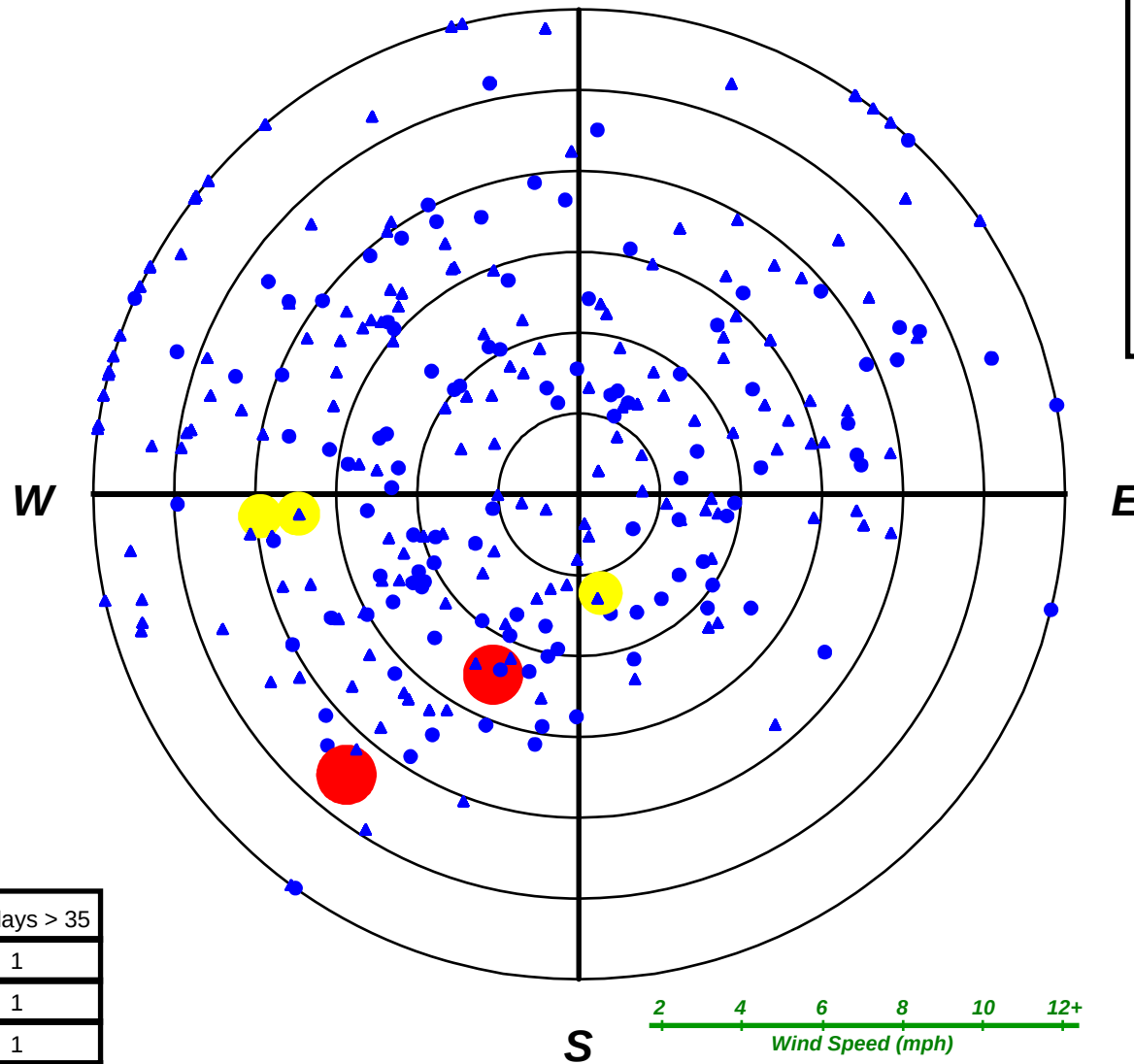
Year	98th %-ile	# days > 35
2005	33.6	2
2006	36.2	2
2007	32.5	4
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 16.5 miles away
PHILADELPHIA_NE_PHILADELPHIA (ID=94732)

New York-N. New Jersey-Long Island, NY-NJ-CT [Mercer County, NJ]
Pollution Rose, 2005-2007

Site 340218001



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	33.0	1
2006	29.5	1
2007	27.2	1
Design Value	30-inc-a	

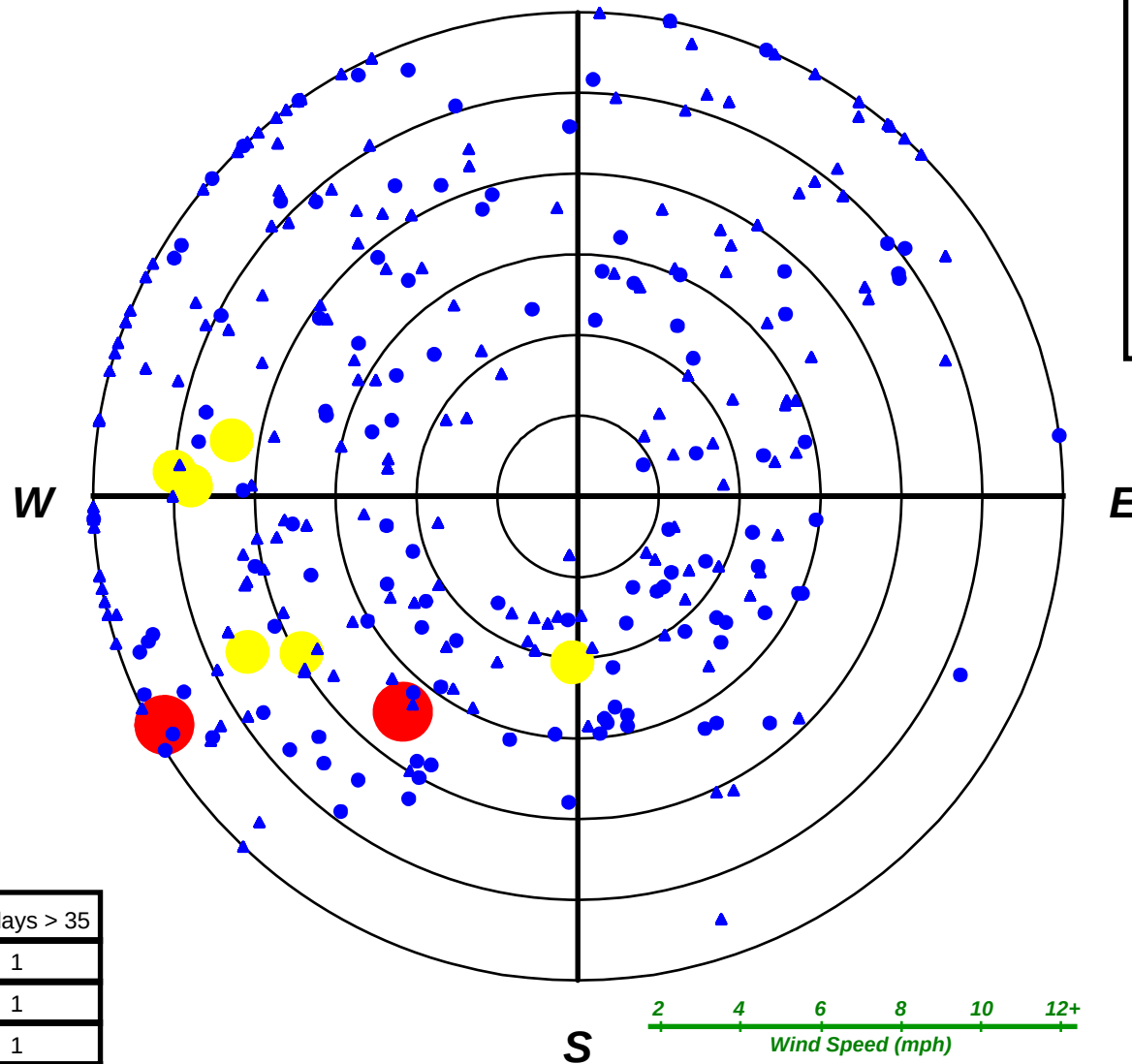
1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 17.6 miles away
PHILADELPHIA_NE_PHILADELPHIA (ID=94732)

New York-N. New Jersey-Long Island, NY-NJ-CT [Middlesex County, NJ]
Pollution Rose, 2005-2007

Site 340230006



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

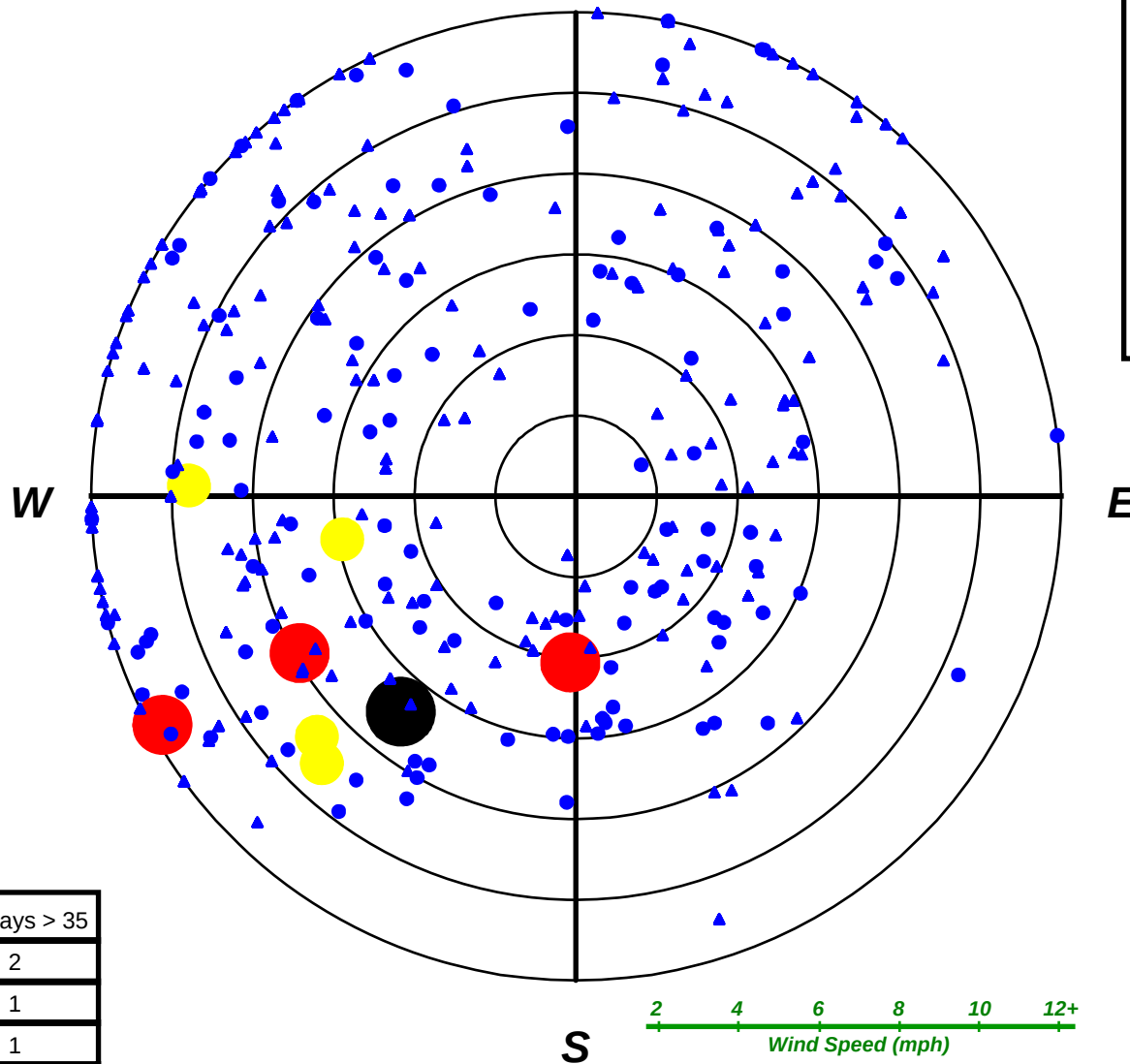
Year	98th %-ile	# days > 35
2005	33.8	1
2006	32.8	1
2007	30.4	1
Design Value	32-A	

1 exceedance(s) not plotted
 (due to missing or variable wind data)

Meteorological data from 21.0 miles away
 NEWARK INTERNATIONAL ARPT (ID=14734)

New York-N. New Jersey-Long Island, NY-NJ-CT [Morris County, NJ]
Pollution Rose, 2005-2007

Site 340270004



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	32.9	2
2006	30.4	1
2007	32.4	1
Design Value	32-A	

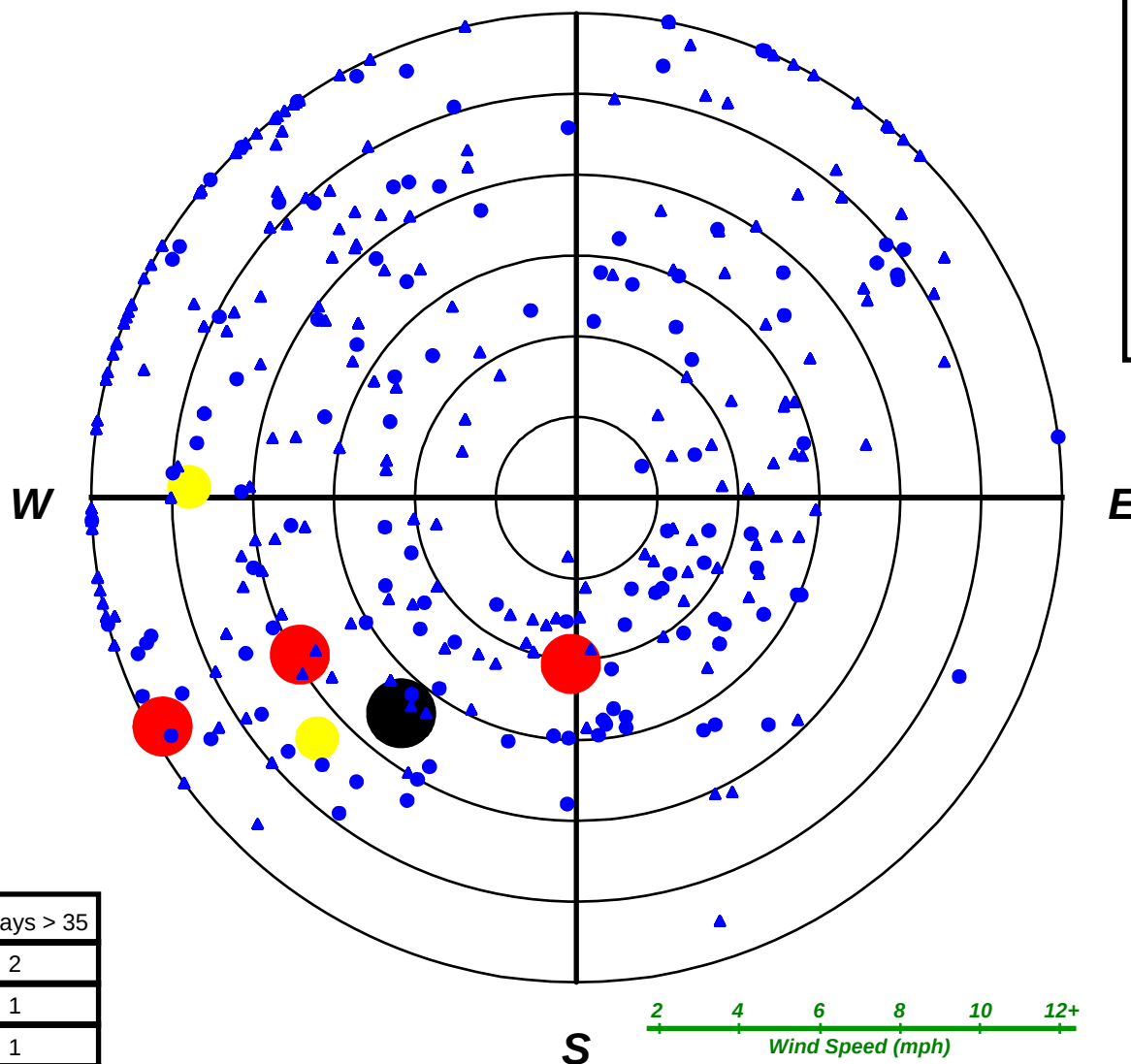
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 16.8 miles away
NEWARK INTERNATIONAL ARPT (ID=14734)

New York-N. New Jersey-Long Island, NY-NJ-CT [Morris County, NJ]
Pollution Rose, 2005-2007

Site 340273001



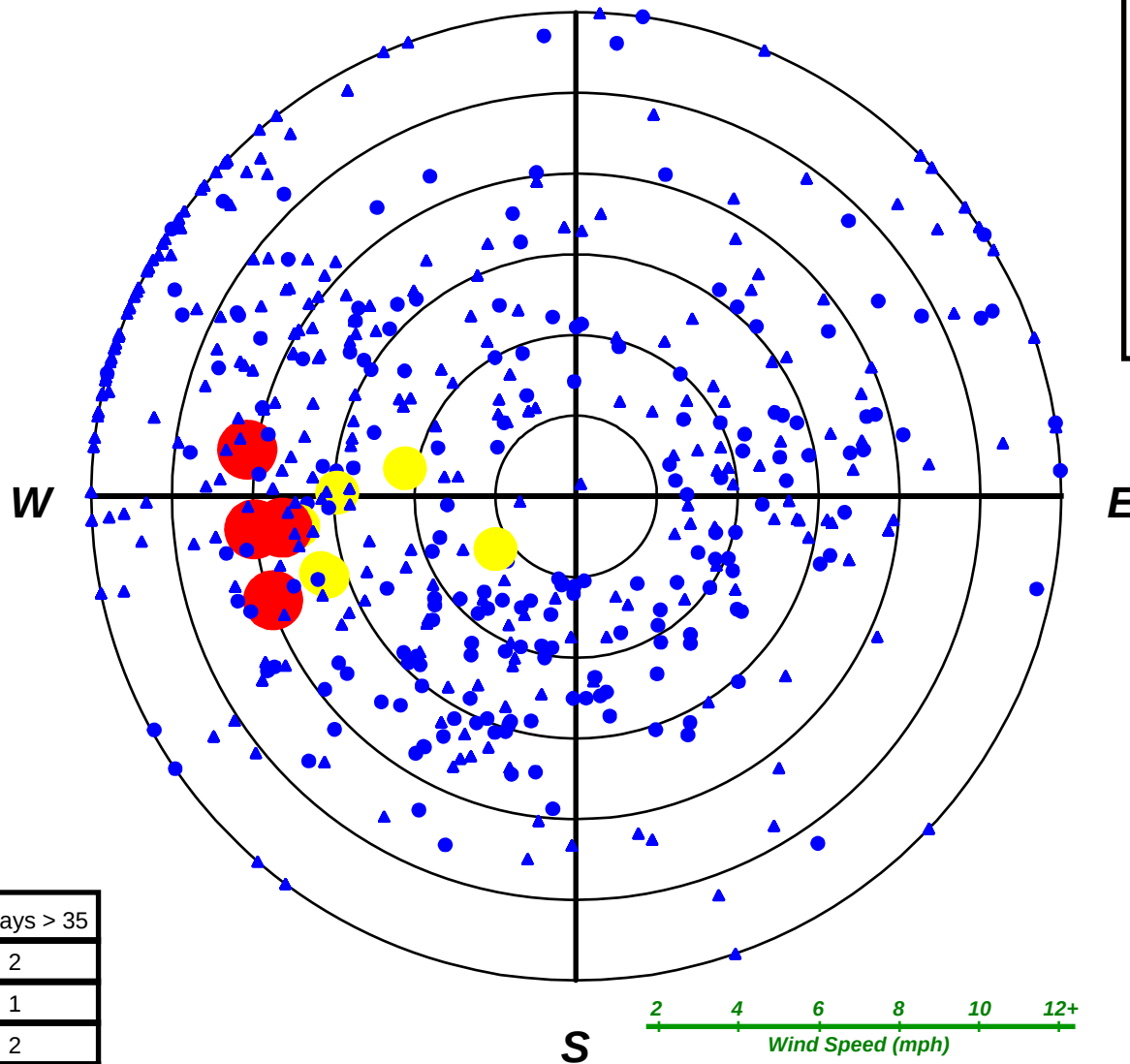
Year	98th %-ile	# days > 35
2005	33.4	2
2006	28.3	1
2007	31.4	1
Design Value	31-A	

All exceedances plotted

Meteorological data from 26.3 miles away
NEWARK INTERNATIONAL ARPT (ID=14734)

New York-N. New Jersey-Long Island, NY-NJ-CT [Ocean County, NJ]
Pollution Rose, 2005-2007

Site 340292002



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	32.2	2
2006	29.3	1
2007	28.5	2
Design Value	30-A	

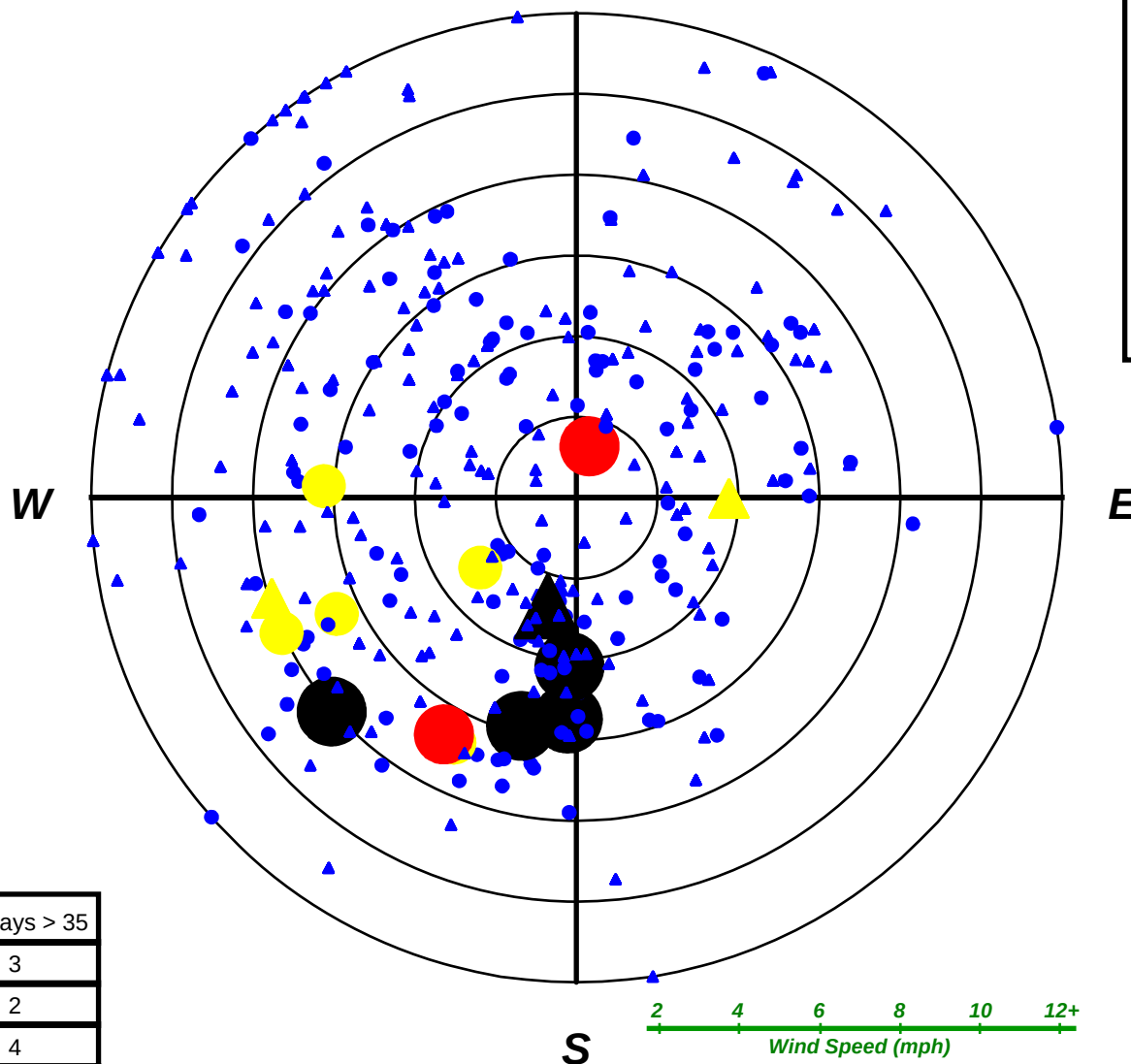
1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 14.0 miles away
BELMAR_ASC (ID= 4739)

New York-N. New Jersey-Long Island, NY-NJ-CT [Passaic County, NJ]
Pollution Rose, 2005-2007

Site 340310005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	40.5	3
2006	33.4	2
2007	36.6	4
Design Value	37-NA	

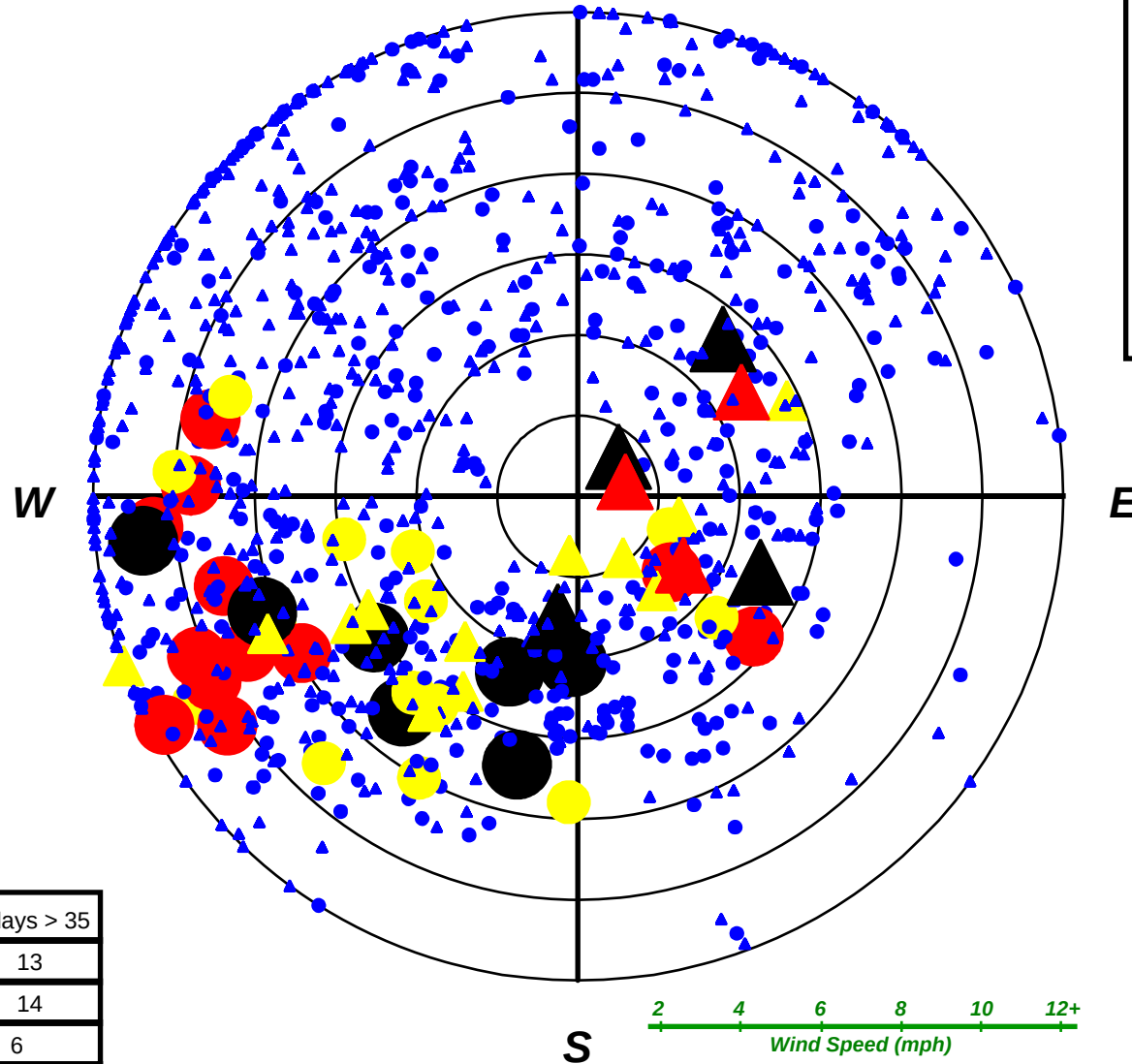
2 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 7.1 miles away
TETERBORO_AIRPORT (ID=94741)

New York-N. New Jersey-Long Island, NY-NJ-CT [Union County, NJ]
Pollution Rose, 2005-2007

Site 340390004



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

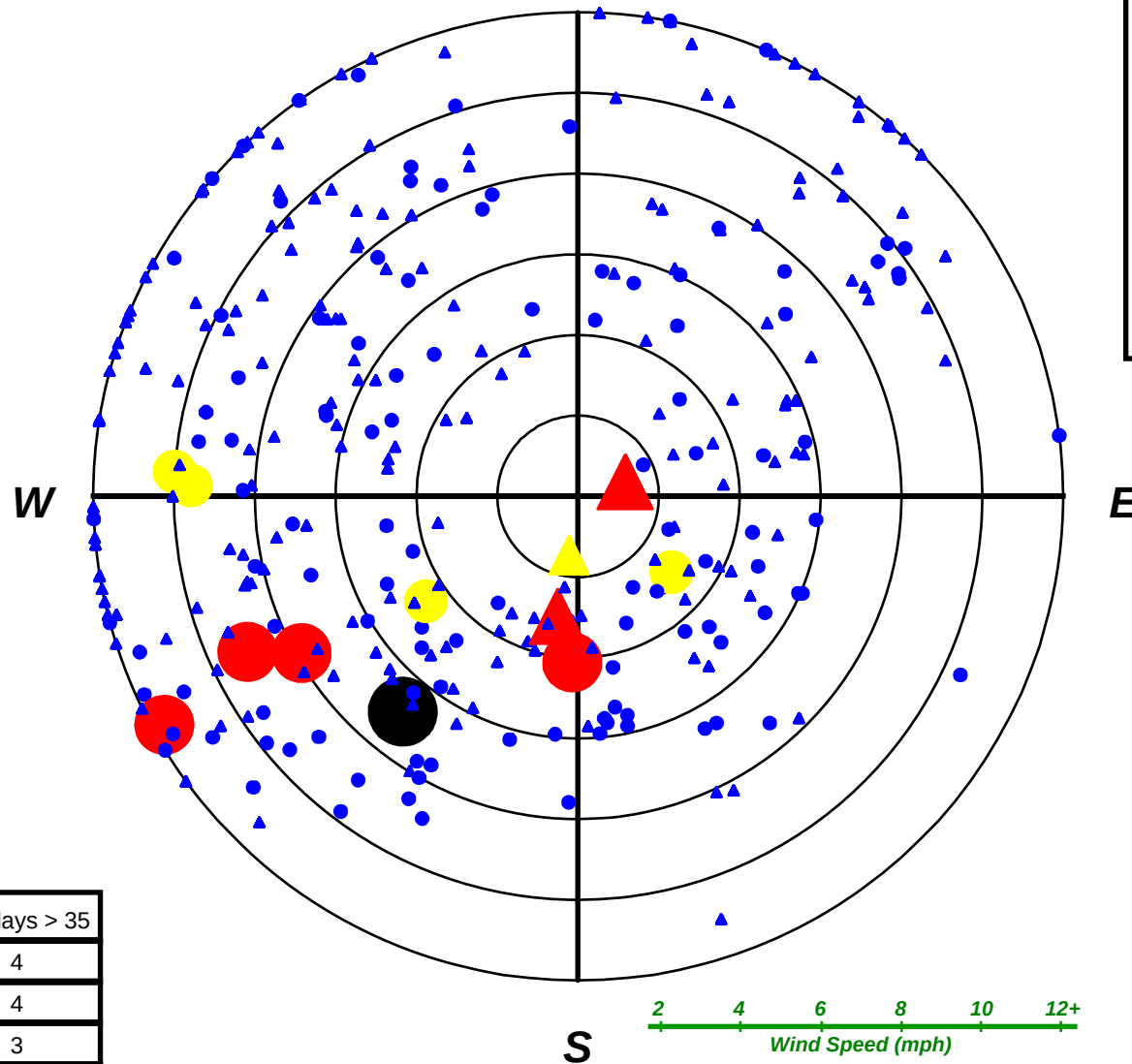
Year	98th %-ile	# days > 35
2005	43.8	13
2006	45.8	14
2007	35.0	6
Design Value	42-NA	

7 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.4 miles away
NEWARK INTERNATIONAL ARPT (ID=14734)

New York-N. New Jersey-Long Island, NY-NJ-CT [Union County, NJ]
Pollution Rose, 2005-2007

Site 340390006



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	38.6	4
2006	38.7	4
2007	35.9	3
Design Value	38-NA	

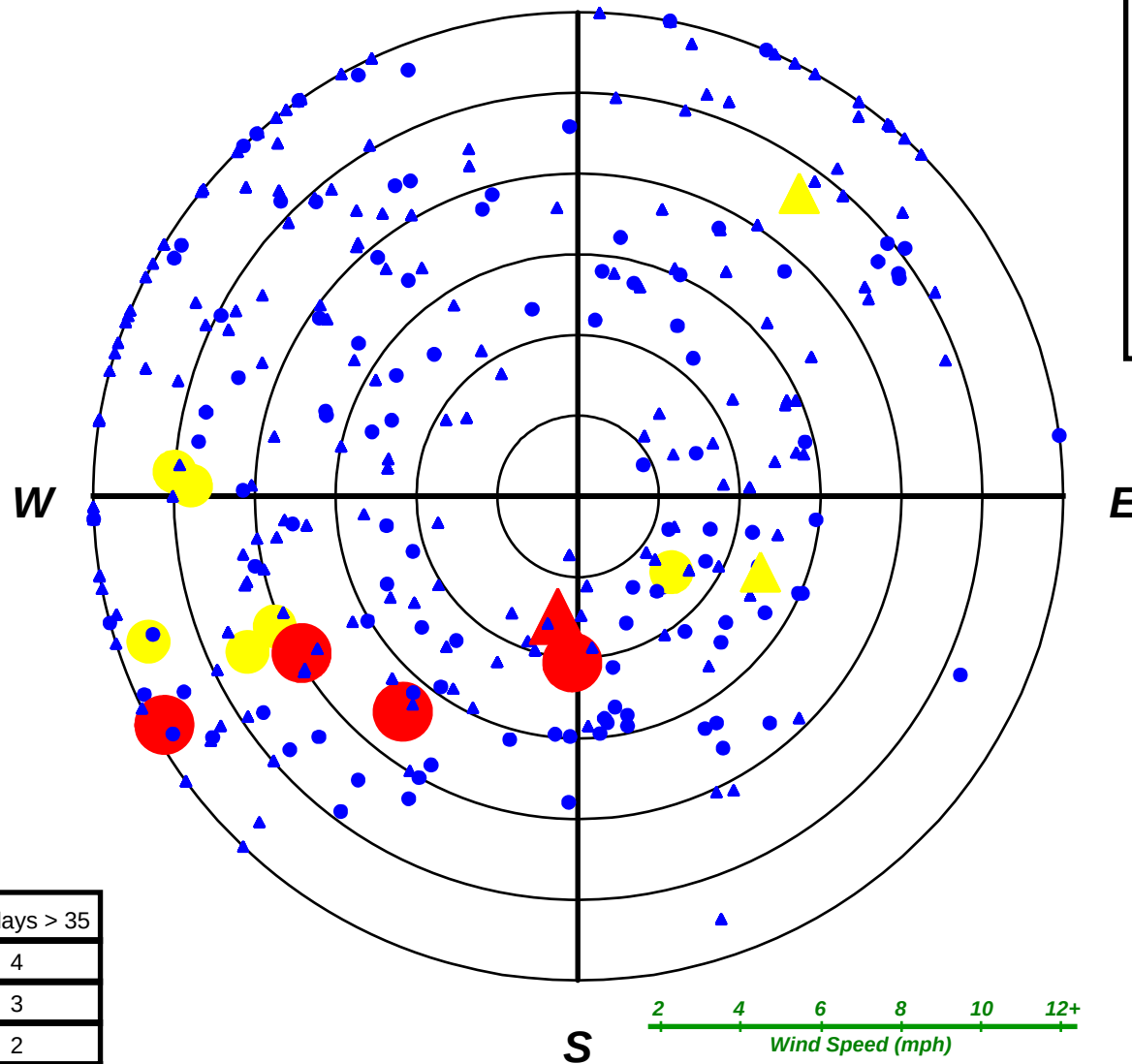
4 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 3.4 miles away
NEWARK INTERNATIONAL ARPT (ID=14734)

**New York-N. New Jersey-Long Island, NY-NJ-CT [Union County, NJ]
Pollution Rose, 2005-2007**

Site 340392003



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	38.2	4
2006	37.5	3
2007	33.4	2
Design Value	36-NA	

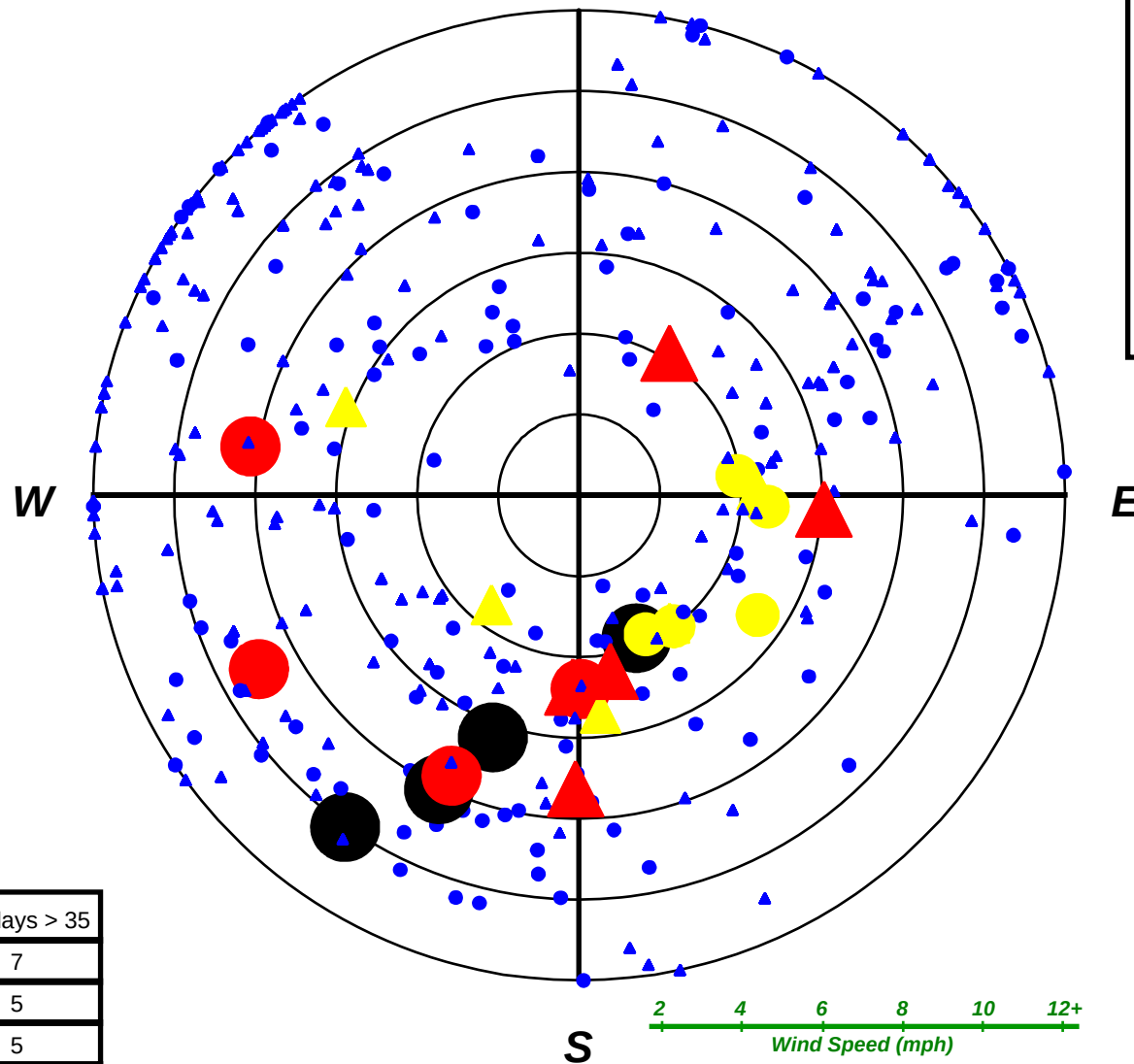
4 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 9.1 miles away
NEWARK INTERNATIONAL ARPT (ID=14734)*

New York-N. New Jersey-Long Island, NY-NJ-CT [Bronx County, NY]
Pollution Rose, 2005-2007

Site 360050080



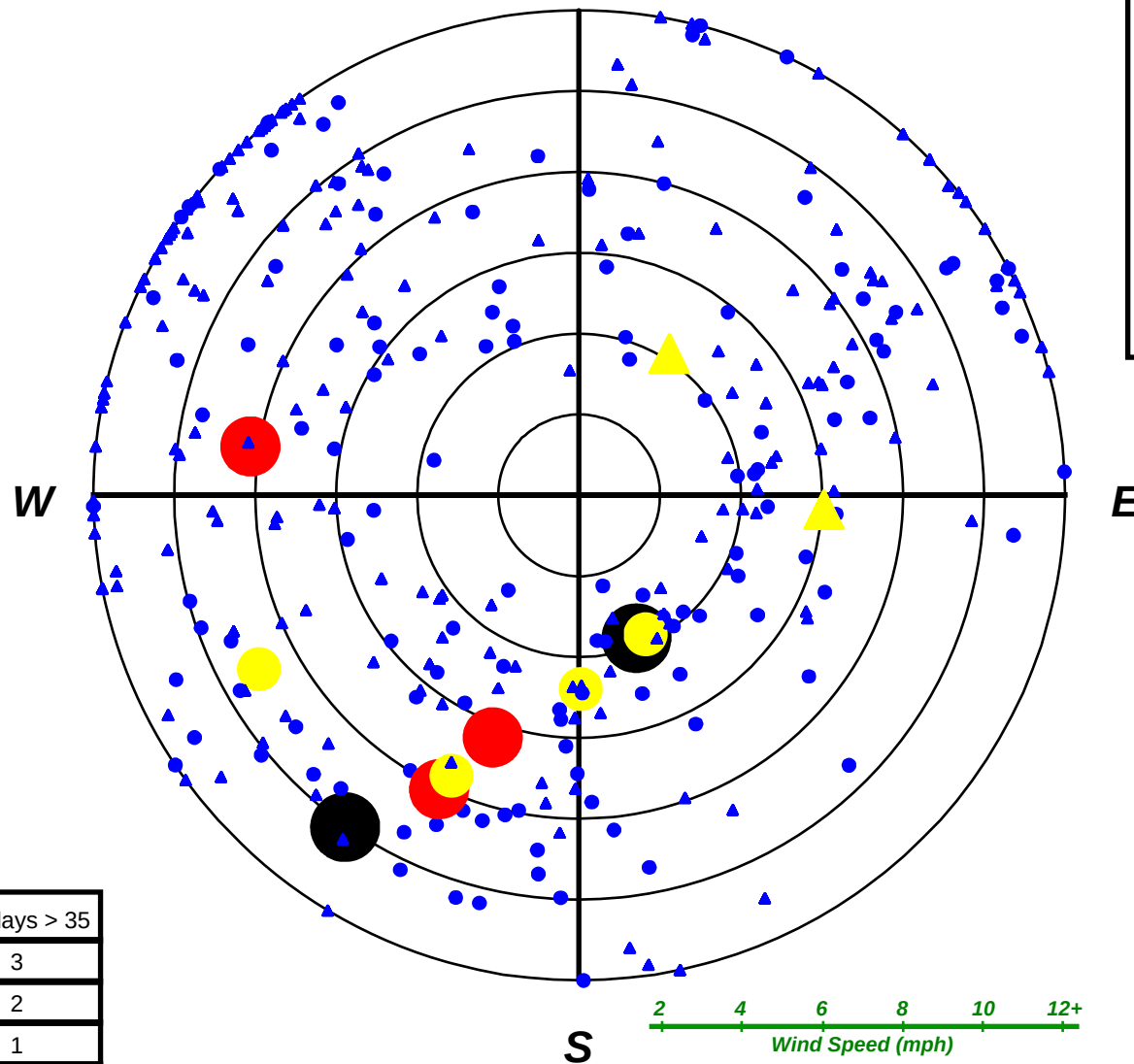
Year	98th %-ile	# days > 35
2005	37.7	7
2006	39.7	5
2007	36.2	5
Design Value	38-NA	

4 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 4.2 miles away
NEW_YORK_LAGUARDIA_ARPT (ID=14732)

New York-N. New Jersey-Long Island, NY-NJ-CT [Bronx County, NY]
Pollution Rose, 2005-2007

Site 360050083



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	36.6	3
2006	34.8	2
2007	32.5	1
Design Value	35-A	

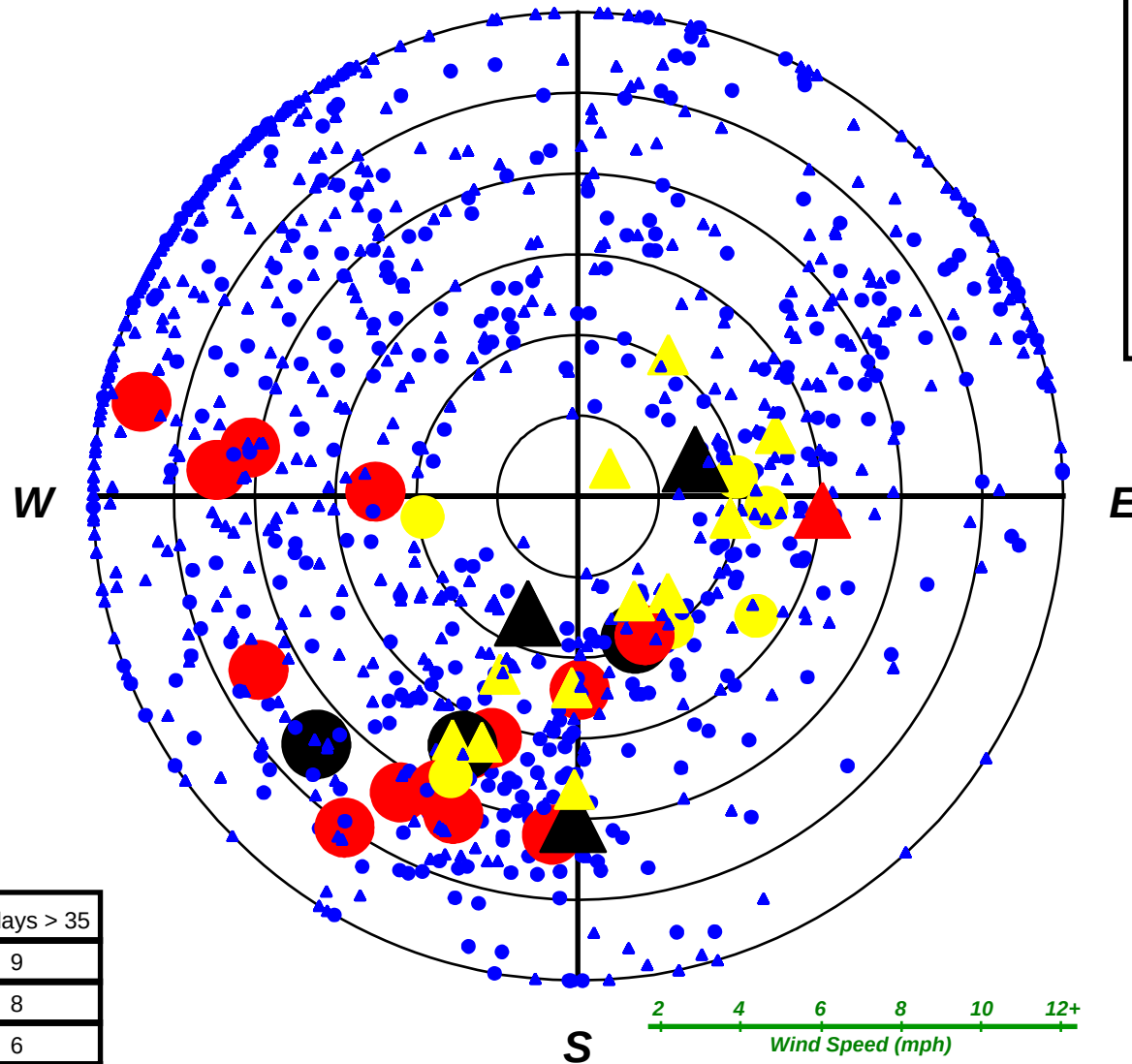
1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 5.7 miles away
NEW_YORK_LAGUARDIA_ARPT (ID=14732)

New York-N. New Jersey-Long Island, NY-NJ-CT [Bronx County, NY]
Pollution Rose, 2005-2007

Site 360050110



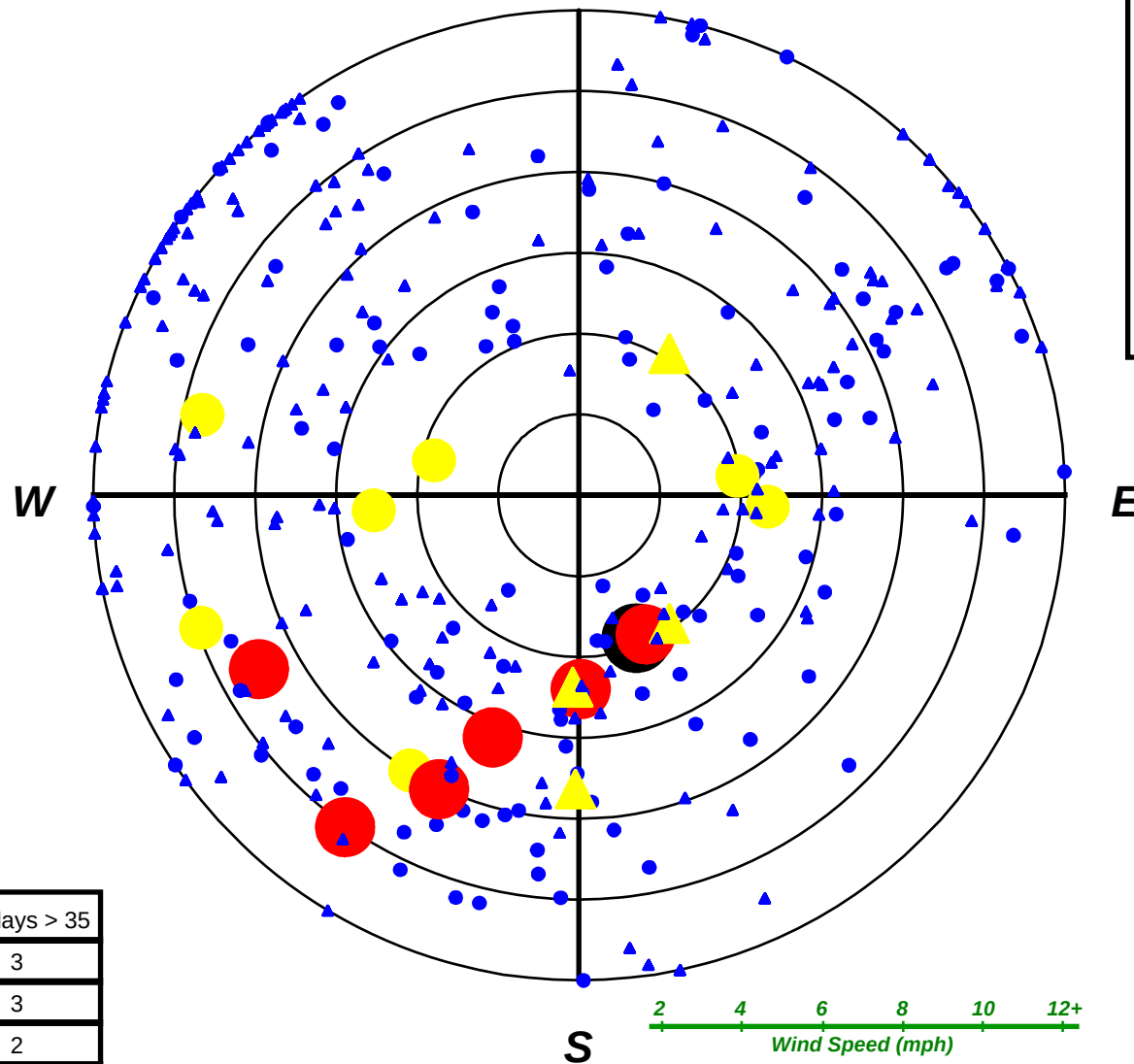
Year	98th %-ile	# days > 35
2005	36.8	9
2006	36.6	8
2007	34.4	6
Design Value	36-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.5 miles away
NEW_YORK_LAGUARDIA_ARPT (ID=14732)

New York-N. New Jersey-Long Island, NY-NJ-CT [Kings County, NY]
Pollution Rose, 2005-2007

Site 360470122



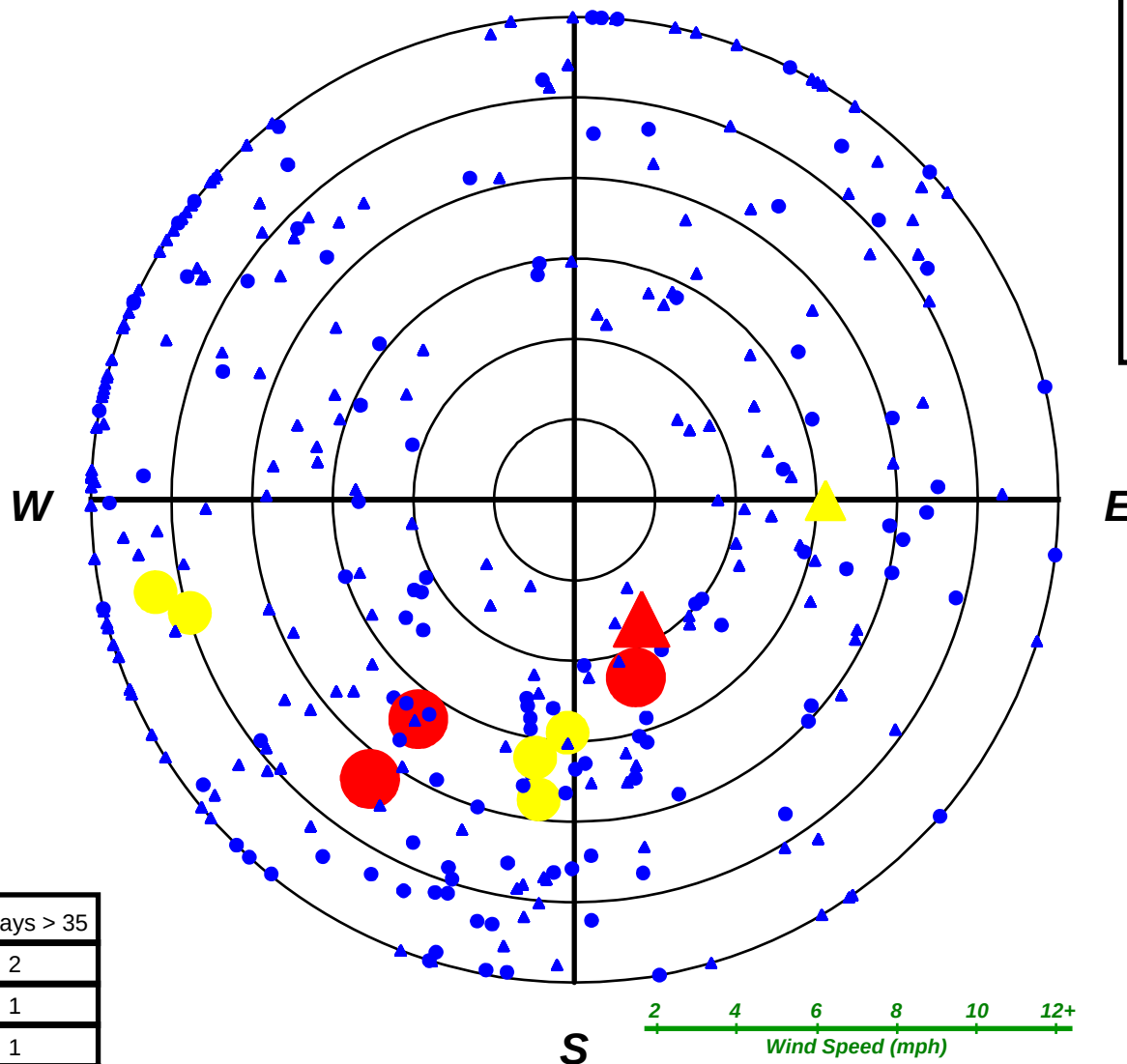
Year	98th %-ile	# days > 35
2005	36.3	3
2006	37.7	3
2007	33.6	2
Design Value	36-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.5 miles away
NEW YORK LAGUARDIA ARPT (ID=14732)

New York-N. New Jersey-Long Island, NY-NJ-CT [Nassau County, NY]
Pollution Rose, 2005-2007

Site 360590008



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	35.1	2
2006	33.0	1
2007	28.5	1
Design Value	32-inc-a	

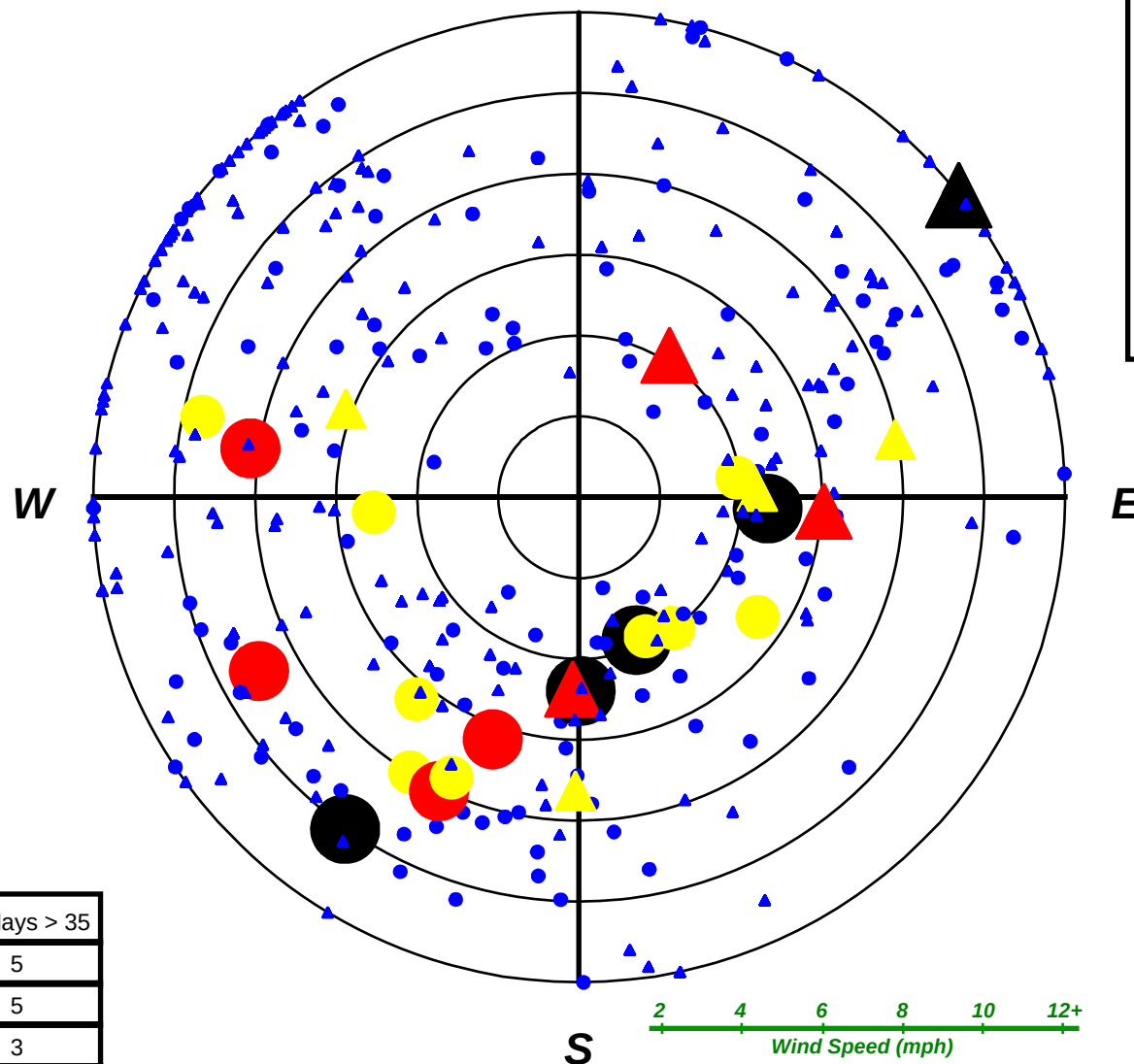
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 3.7 miles away
NEW_YORK_J_F_KENNEDY_INT'L_AR (ID=94789)

**New York-N. New Jersey-Long Island, NY-NJ-CT [New York County, NY]
Pollution Rose, 2005-2007**

Site 360610056



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	40.1	5
2006	40.7	5
2007	36.8	3
Design Value	39-NA	

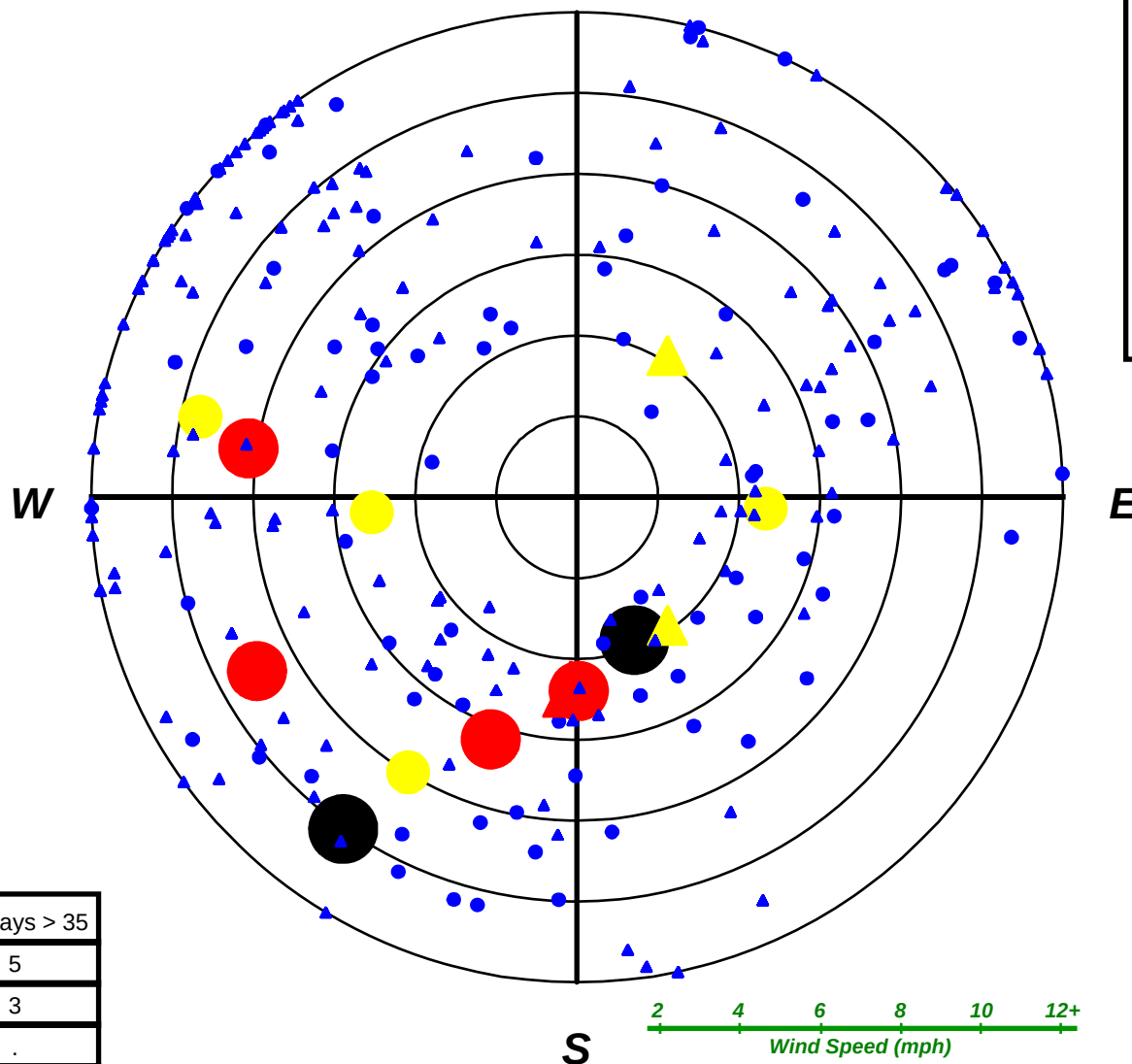
1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 4.7 miles away
NEW YORK LAGUARDIA ARPT (ID=14732)

**New York-N. New Jersey-Long Island, NY-NJ-CT [New York County, NY]
Pollution Rose, 2005-2007**

Site 360610062



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

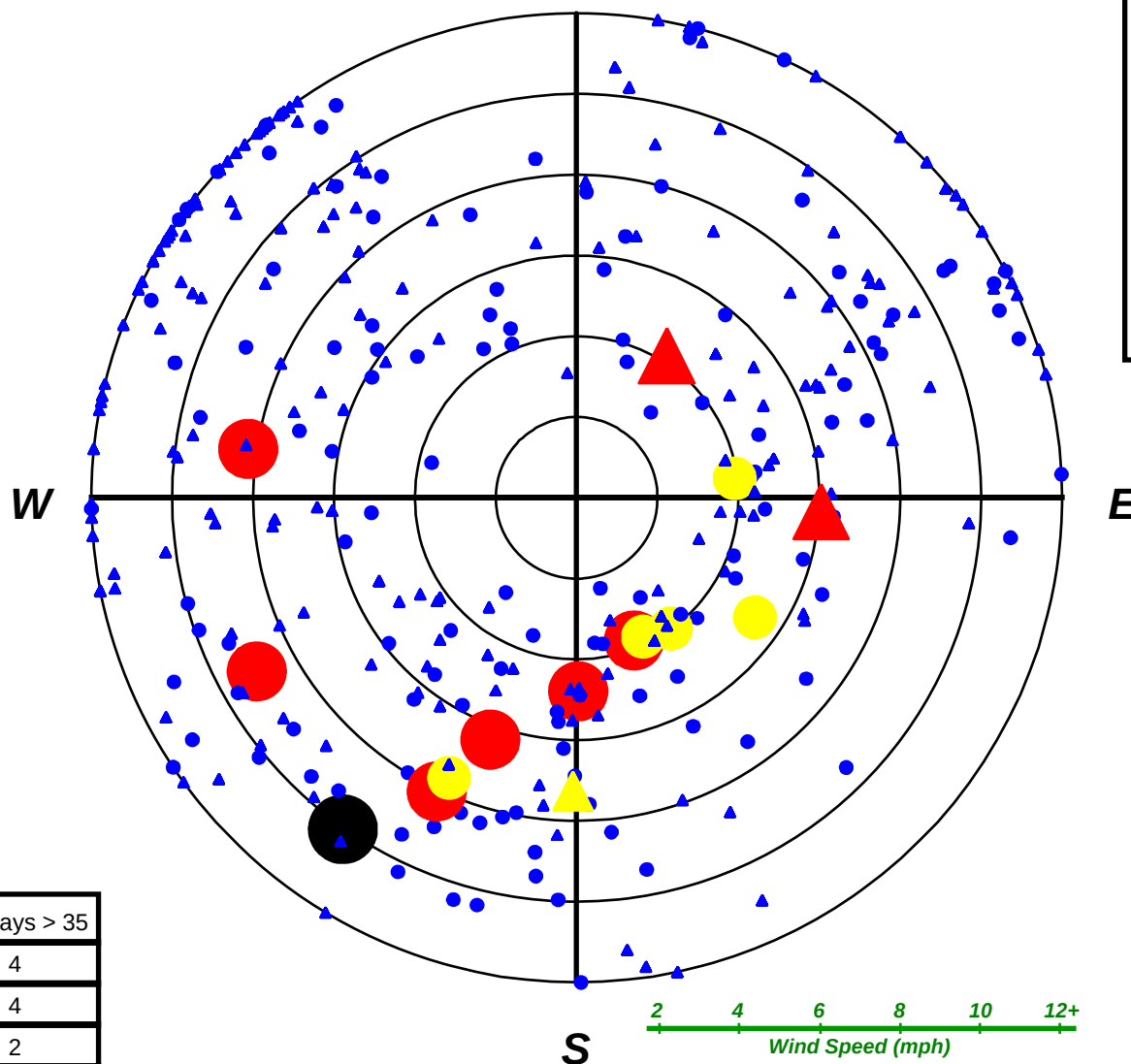
Year	98th %-ile	# days > 35
2005	39.5	5
2006	35.9	3
2007	34.7	.
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 7.7 miles away
NEW_YORK_LAGUARDIA_ARPT (ID=14732)

New York-N. New Jersey-Long Island, NY-NJ-CT [New York County, NY]
Pollution Rose, 2005-2007

Site 360610079



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

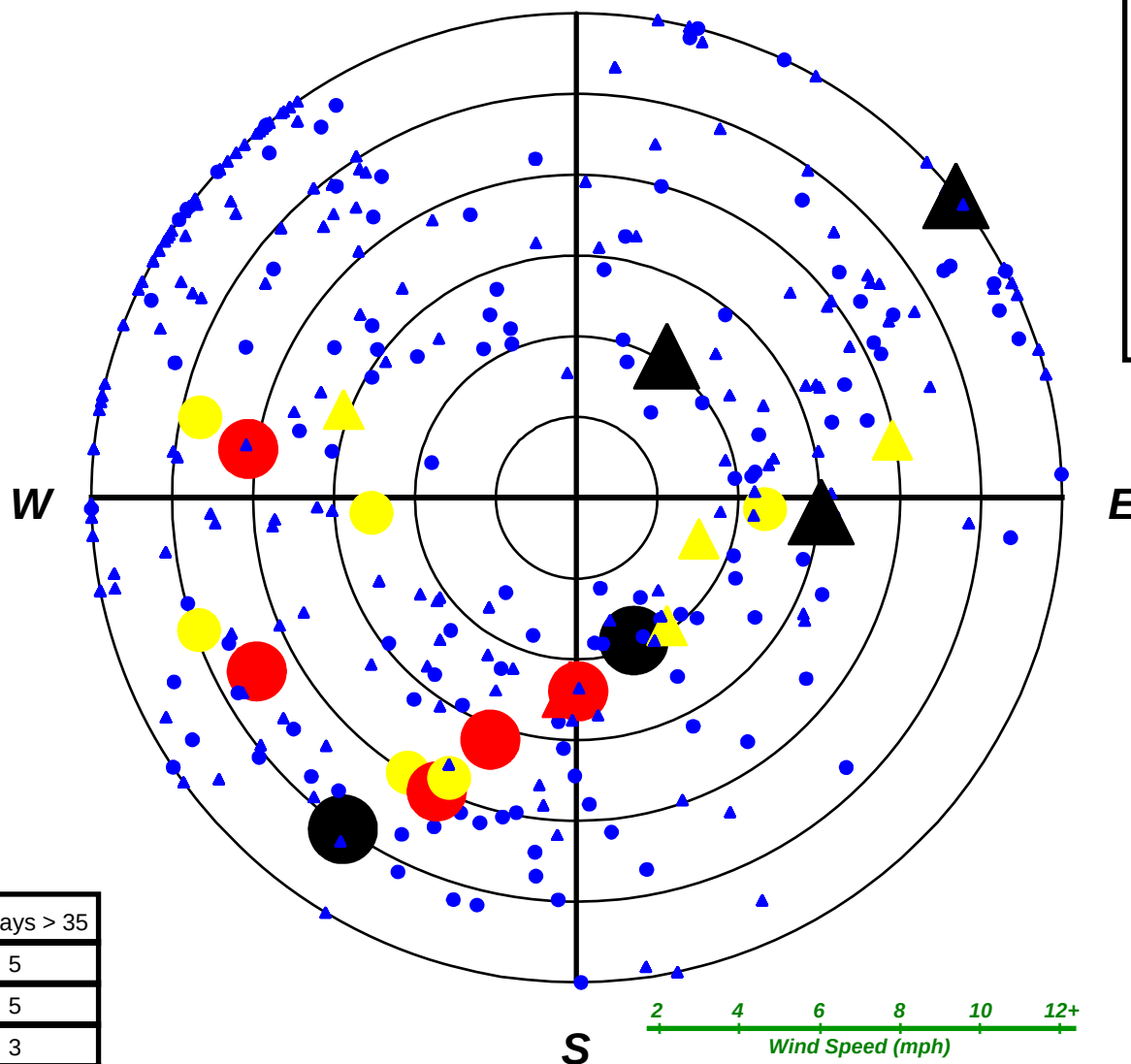
Year	98th %-ile	# days > 35
2005	36.6	4
2006	37.6	4
2007	34.3	2
Design Value	36-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.9 miles away
NEW_YORK_LAGUARDIA_ARPT (ID=14732)

New York-N. New Jersey-Long Island, NY-NJ-CT [New York County, NY]
Pollution Rose, 2005-2007

Site 360610128



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

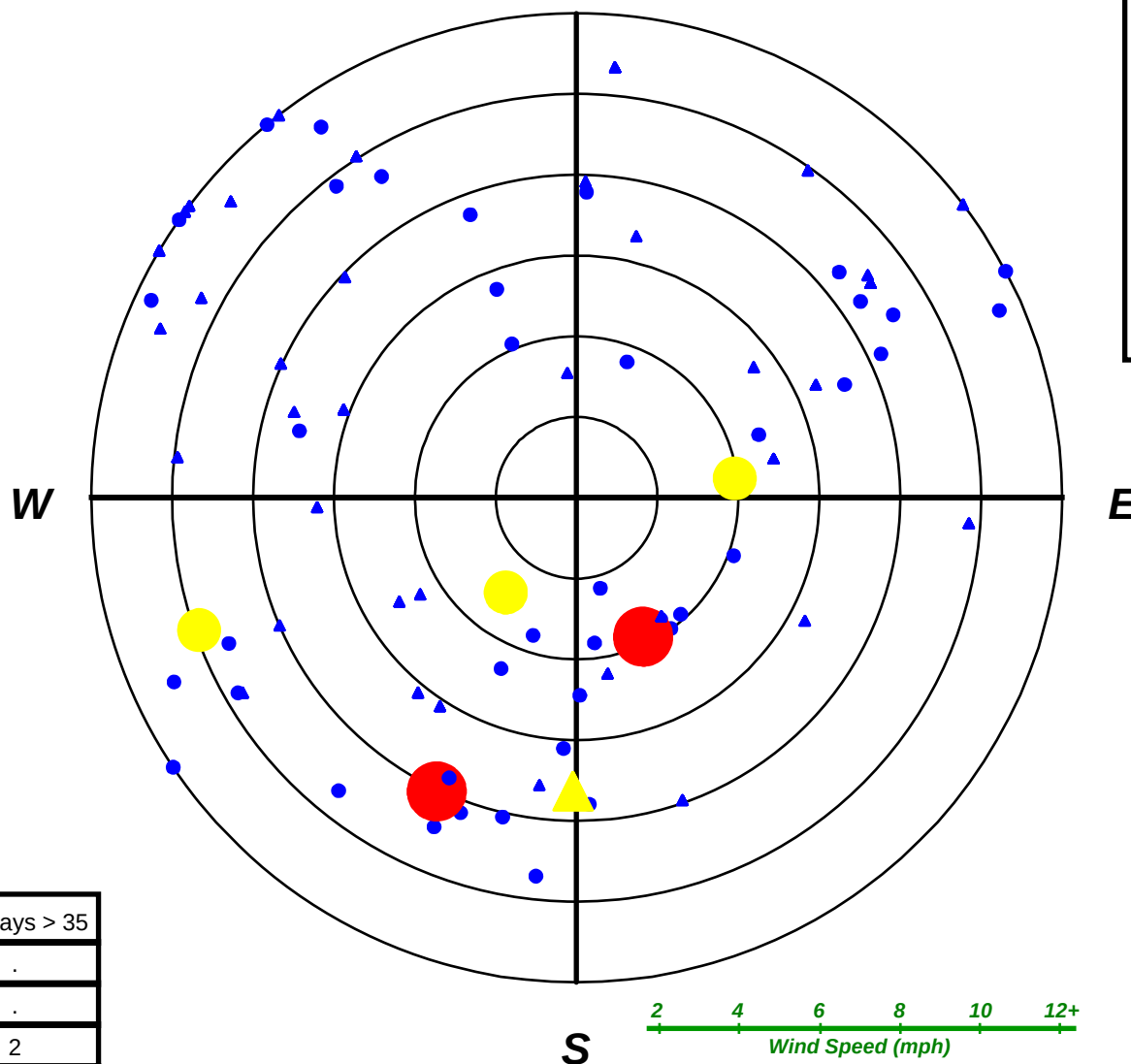
Year	98th %-ile	# days > 35
2005	38.2	5
2006	38.2	5
2007	37.8	3
Design Value	38-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.5 miles away
NEW_YORK_LAGUARDIA_ARPT (ID=14732)

New York-N. New Jersey-Long Island, NY-NJ-CT [New York County, NY]
Pollution Rose, 2005-2007

Site 360610134



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	37.1	2
Design Value	37-inc-na	

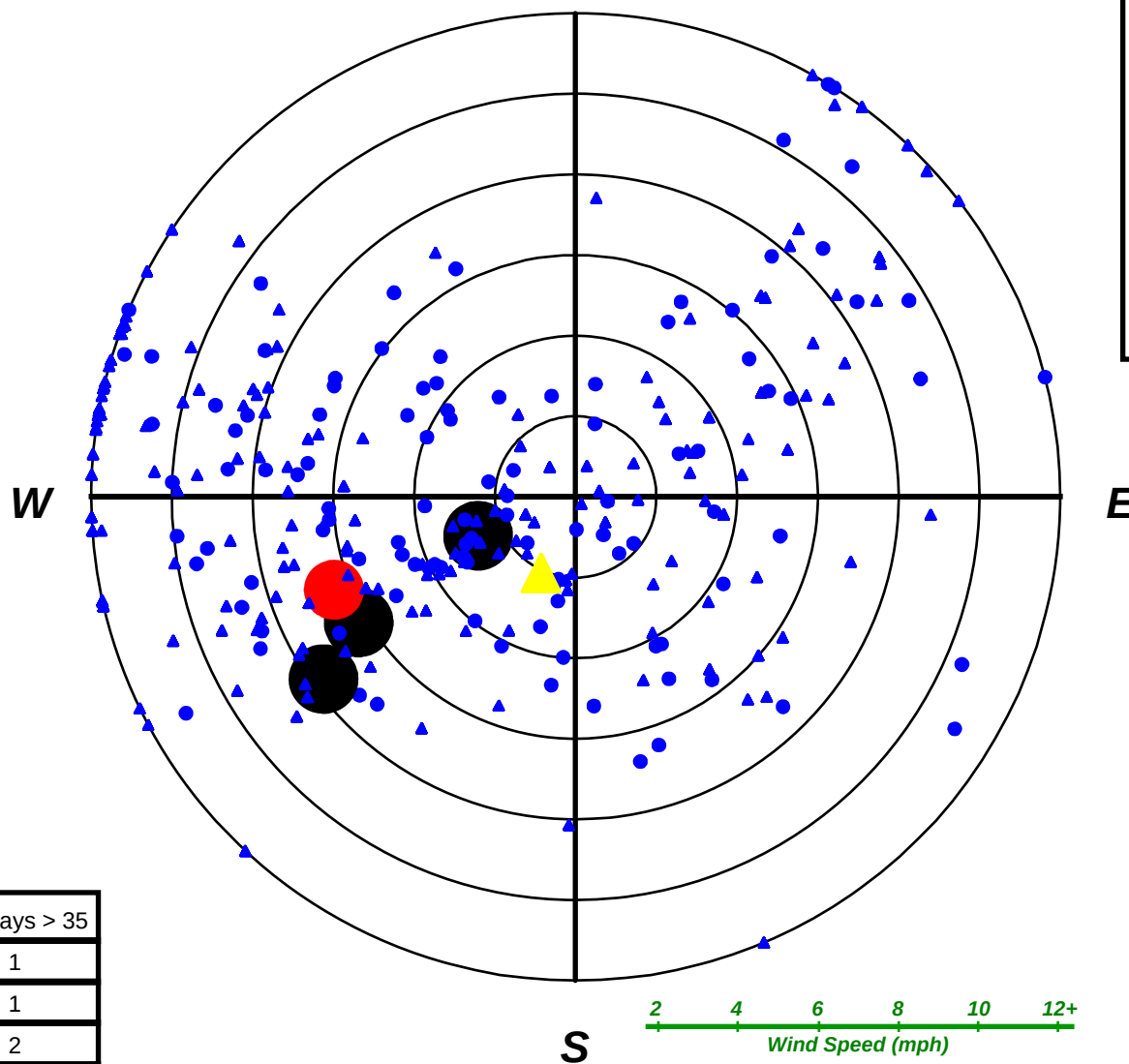
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 7.6 miles away
NEW_YORK_LAGUARDIA_ARPT (ID=14732)

New York-N. New Jersey-Long Island, NY-NJ-CT [Orange County, NY]
Pollution Rose, 2005-2007

Site 360710002



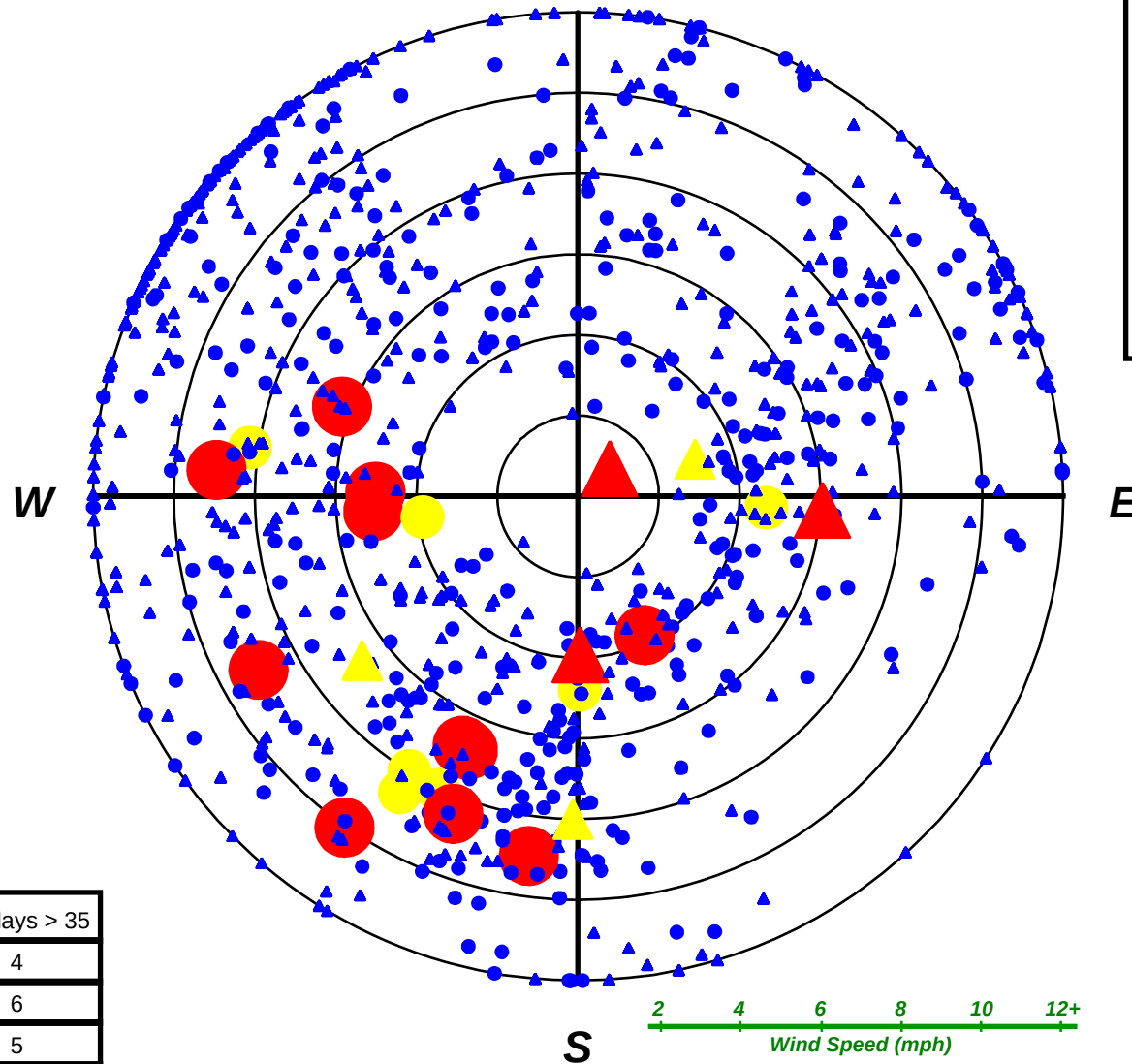
Year	98th %-ile	# days > 35
2005	29.6	1
2006	27.5	1
2007	30.4	2
Design Value	29-A	

All exceedances plotted

Meteorological data from 4.7 miles away
STEWART_FIELD (ID=14714)

**New York-N. New Jersey-Long Island, NY-NJ-CT [Queens County, NY]
Pollution Rose, 2005-2007**

Site 360810124



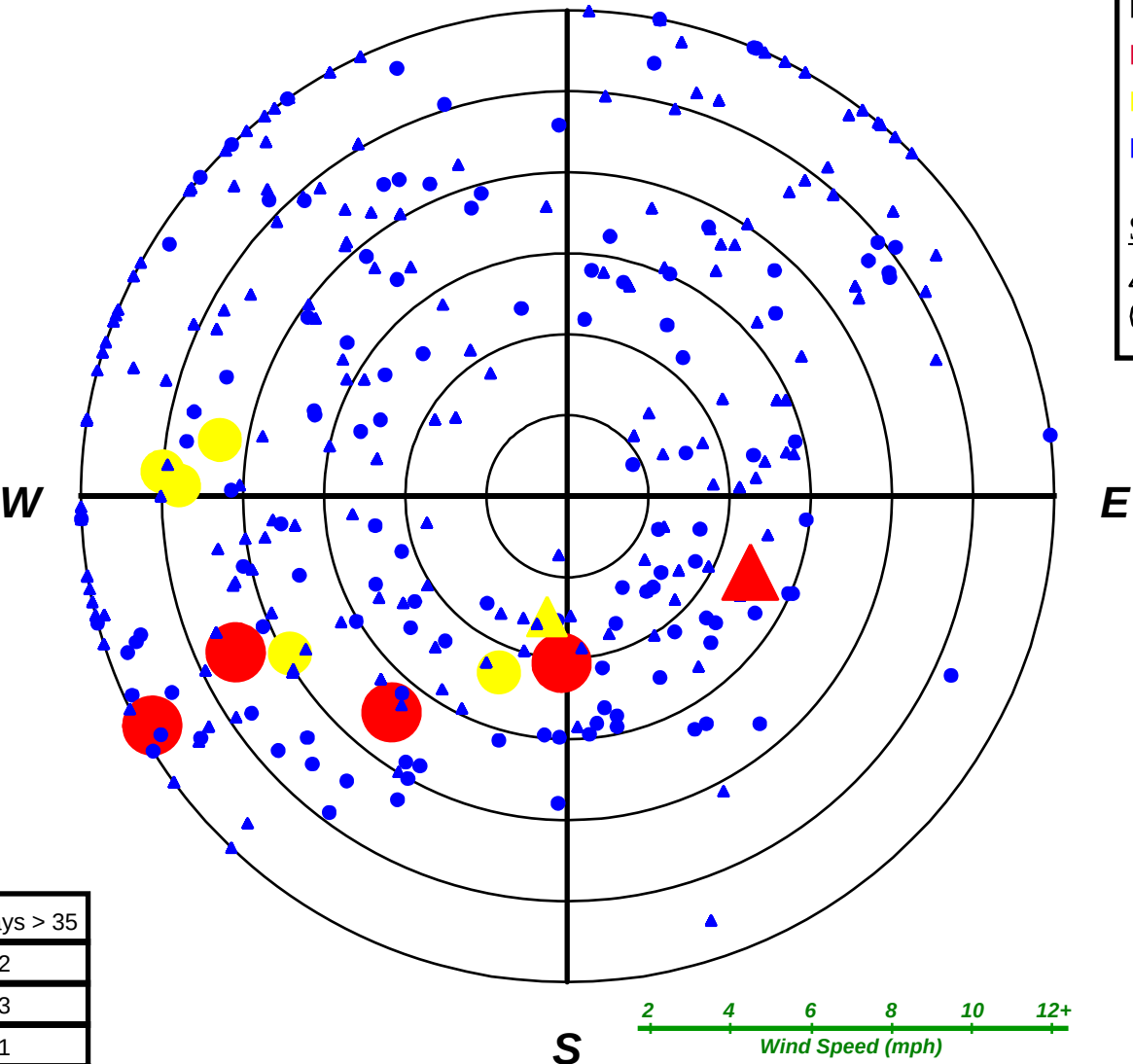
Year	98th %-ile	# days > 35
2005	34.3	4
2006	33.6	6
2007	31.8	5
Design Value	33-inc-a	

1 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 4.5 miles away
NEW_YORK_LAGUARDIA_ARPT (ID=14732)*

New York-N. New Jersey-Long Island, NY-NJ-CT [Richmond County, NY]
Pollution Rose, 2005-2007

Site 360850055



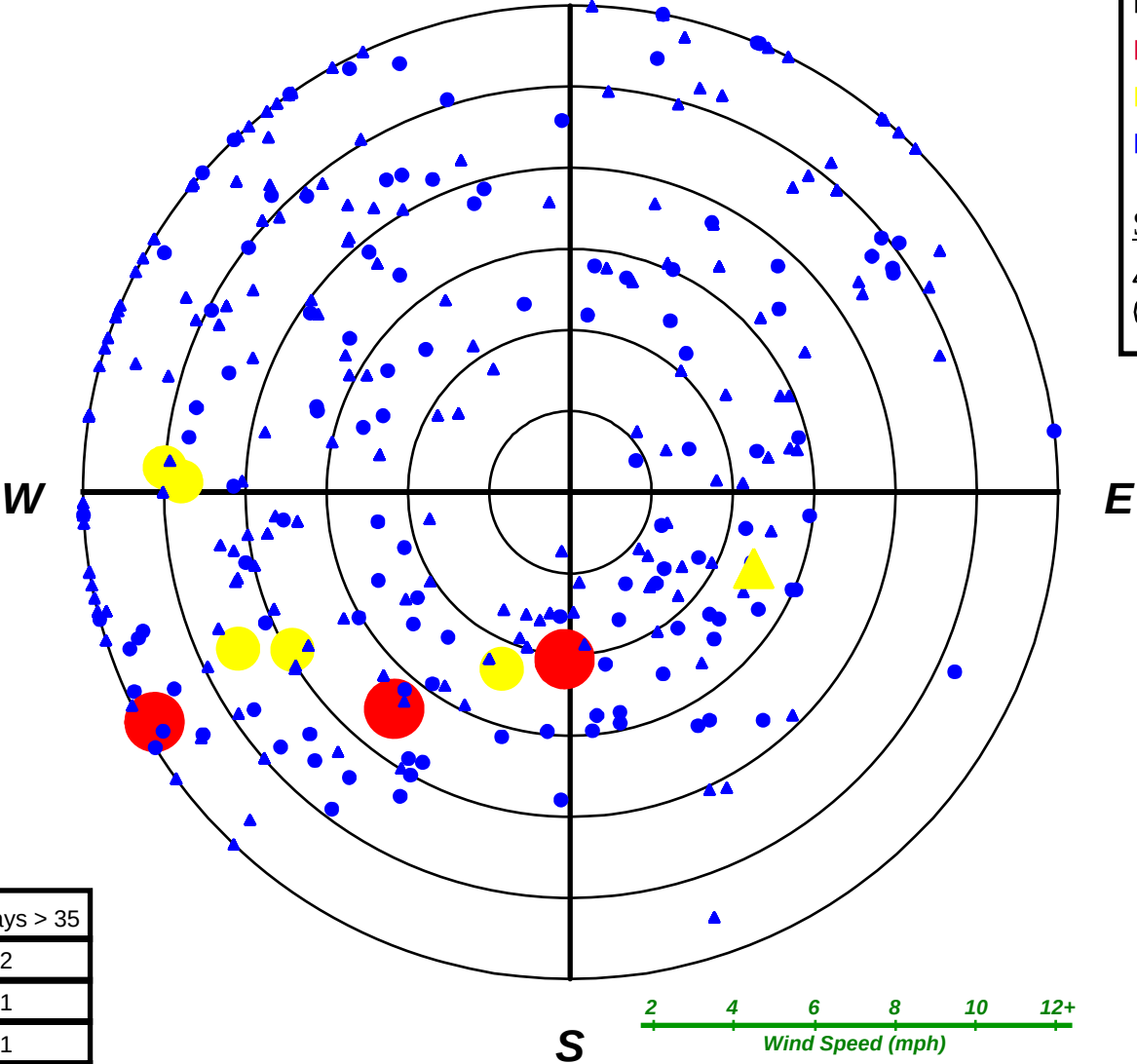
Year	98th %-ile	# days > 35
2005	33.4	2
2006	36.2	3
2007	32.8	1
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.3 miles away
NEWARK INTERNATIONAL ARPT (ID=14734)

New York-N. New Jersey-Long Island, NY-NJ-CT [Richmond County, NY]
Pollution Rose, 2005-2007

Site 360850067



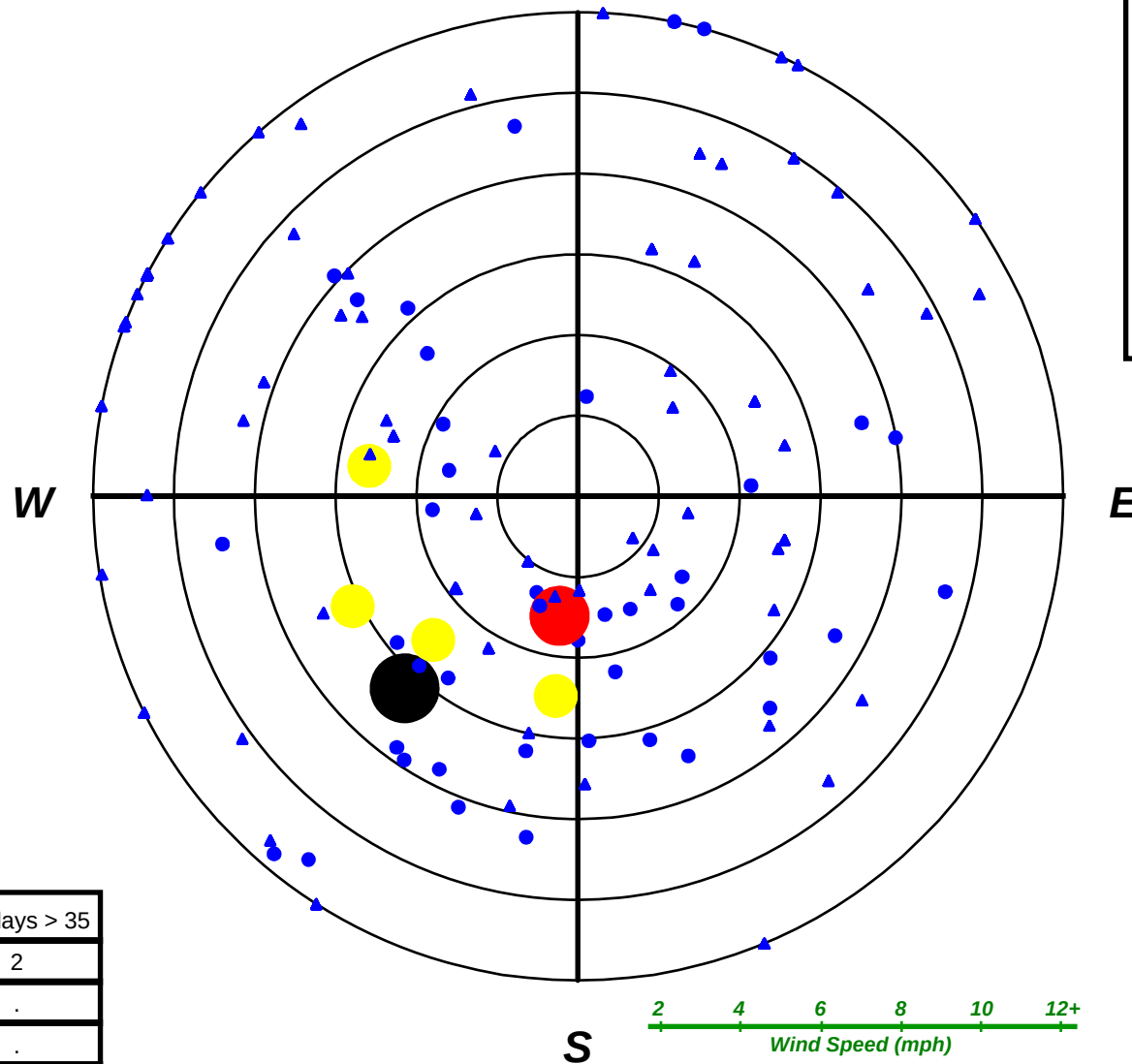
Year	98th %-ile	# days > 35
2005	33.2	2
2006	32.0	1
2007	28.8	1
Design Value	31-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 8.8 miles away
NEWARK INTERNATIONAL ARPT (ID=14734)

New York-N. New Jersey-Long Island, NY-NJ-CT [Suffolk County, NY]
Pollution Rose, 2005-2007

Site 361030001



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	34.3	2
2006	.	.
2007	.	.
Design Value	34-inc-a	

All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 17.0 miles away
ISLIP_LONG_ISL_MACARTHUR_AP (ID= 4781)

New York-N. New Jersey-Long Island, NY-NJ-CT [Suffolk County, NY]
Pollution Rose, 2005-2007

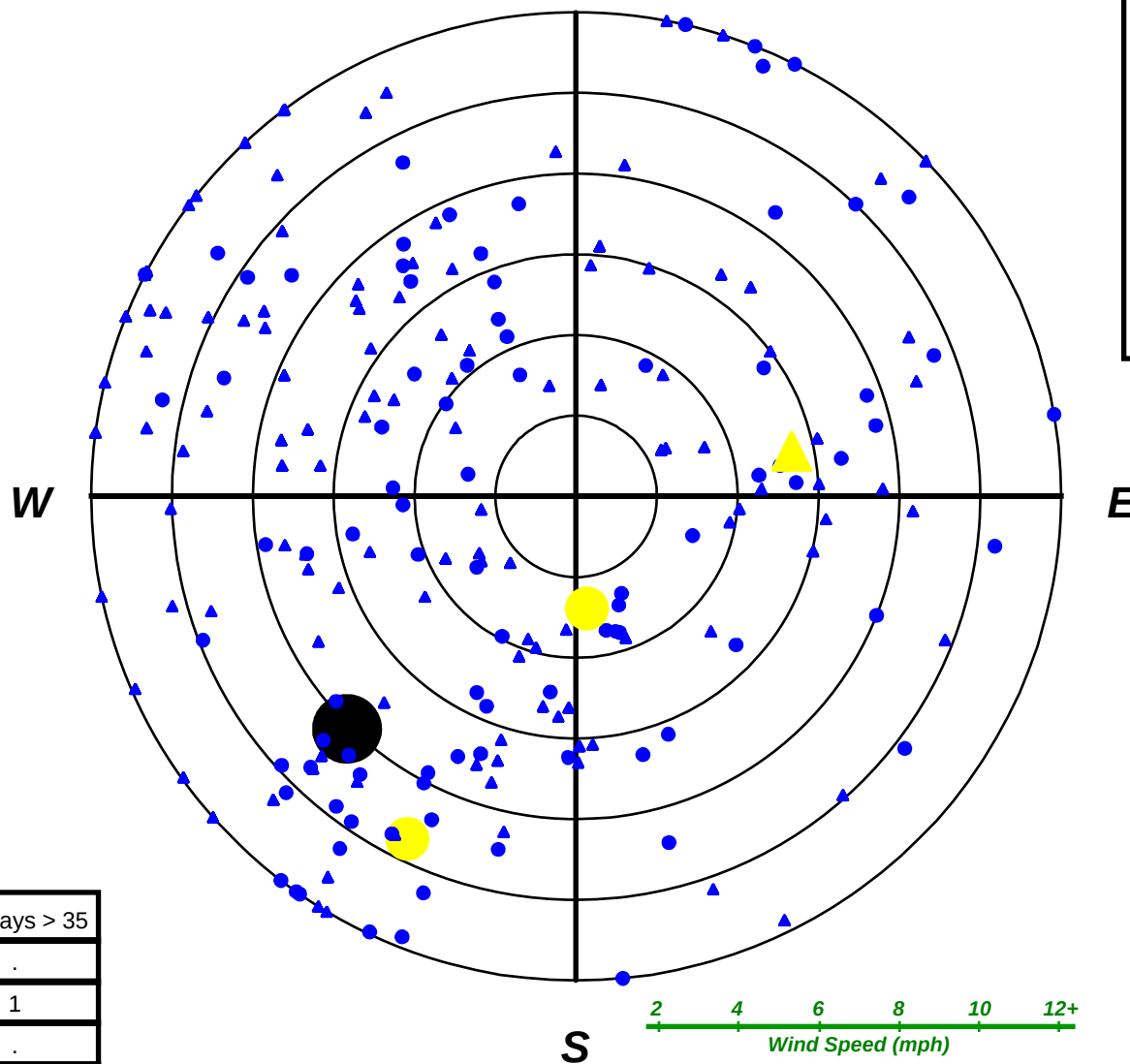
Site 361030002

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



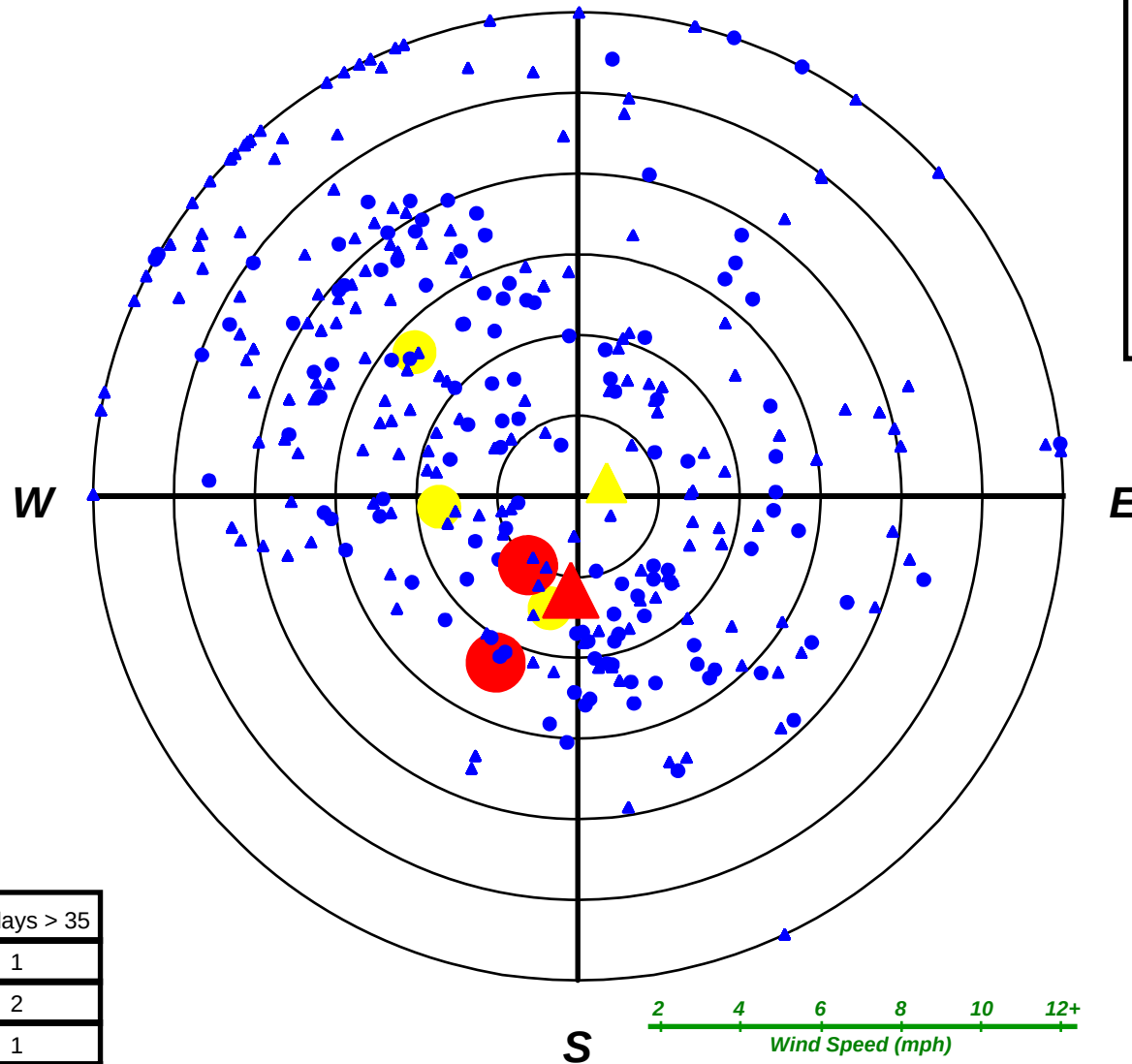
Year	98th %-ile	# days > 35
2005	.	.
2006	31.9	1
2007	28.8	.
Design Value	30-inc-a	

All exceedances plotted

Meteorological data from 16.9 miles away
ISLIP_LONG_ISL_MACARTHUR_AP (ID= 4781)

New York-N. New Jersey-Long Island, NY-NJ-CT [Westchester County, NY]
Pollution Rose, 2005-2007

Site 361191002



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	32.8	1
2006	34.4	2
2007	30.6	1
Design Value	33-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 9.8 miles away
WHITE PLAINS WESTCHESTER CO_A (ID=94745)

Nogales, AZ [Santa Cruz County, AZ]
Pollution Rose, 2005-2007

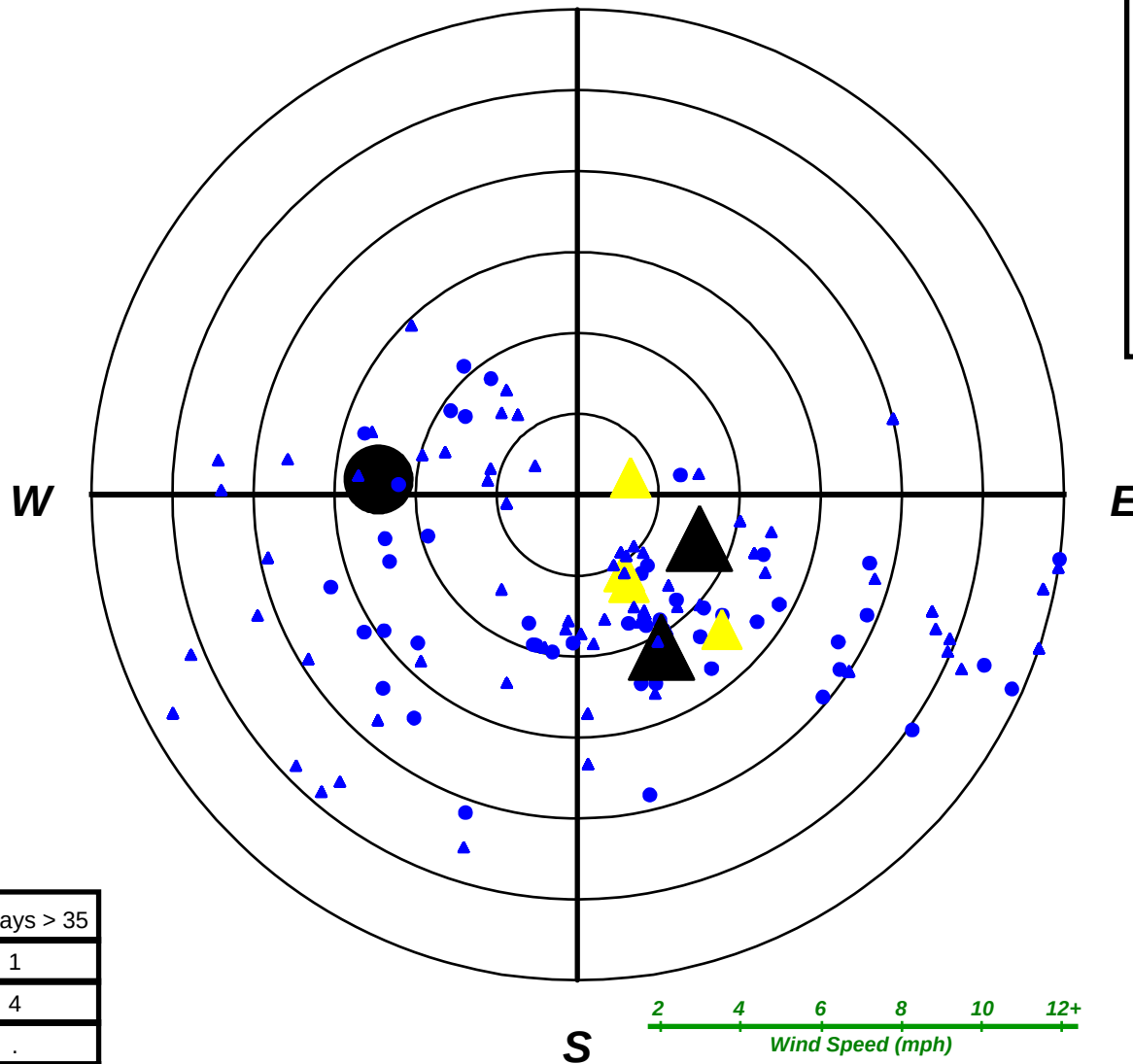
Site 040230004

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	33.0	1
2006	56.2	4
2007	28.2	.
Design Value	39-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 55.0 miles away
TUCSON INTERNATIONAL AP (ID=23160)

Oakridge, OR [Lane County, OR]
Pollution Rose, 2005-2007

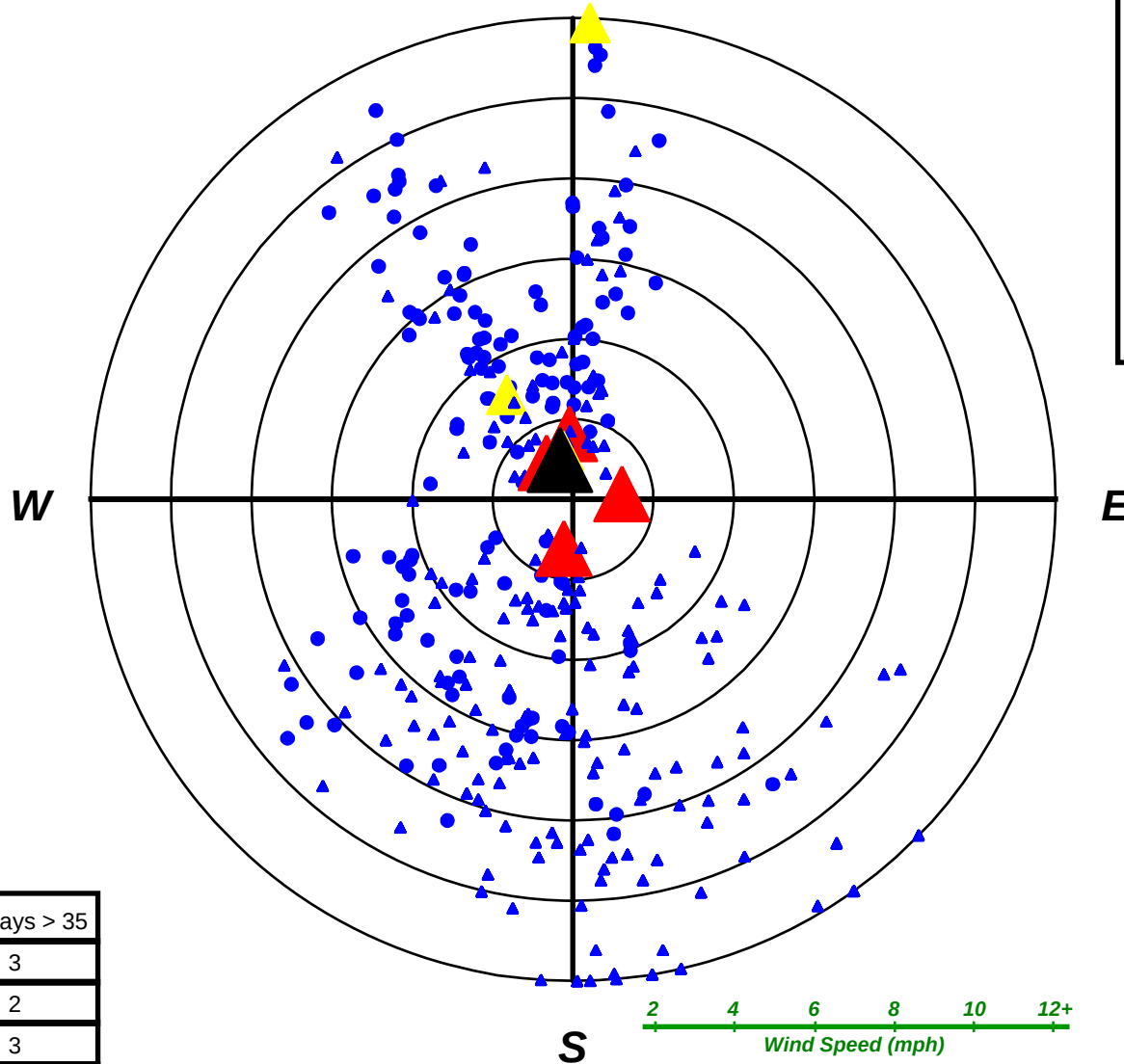
Site 410390060

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	35.6	3
2006	31.8	2
2007	36.3	3
Design Value	35-A	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 9.1 miles away
EUGENE_MAHLON_SWEET_ARPT (ID=24221)

Oakridge, OR [Lane County, OR]
Pollution Rose, 2005-2007

Site 410391007

Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

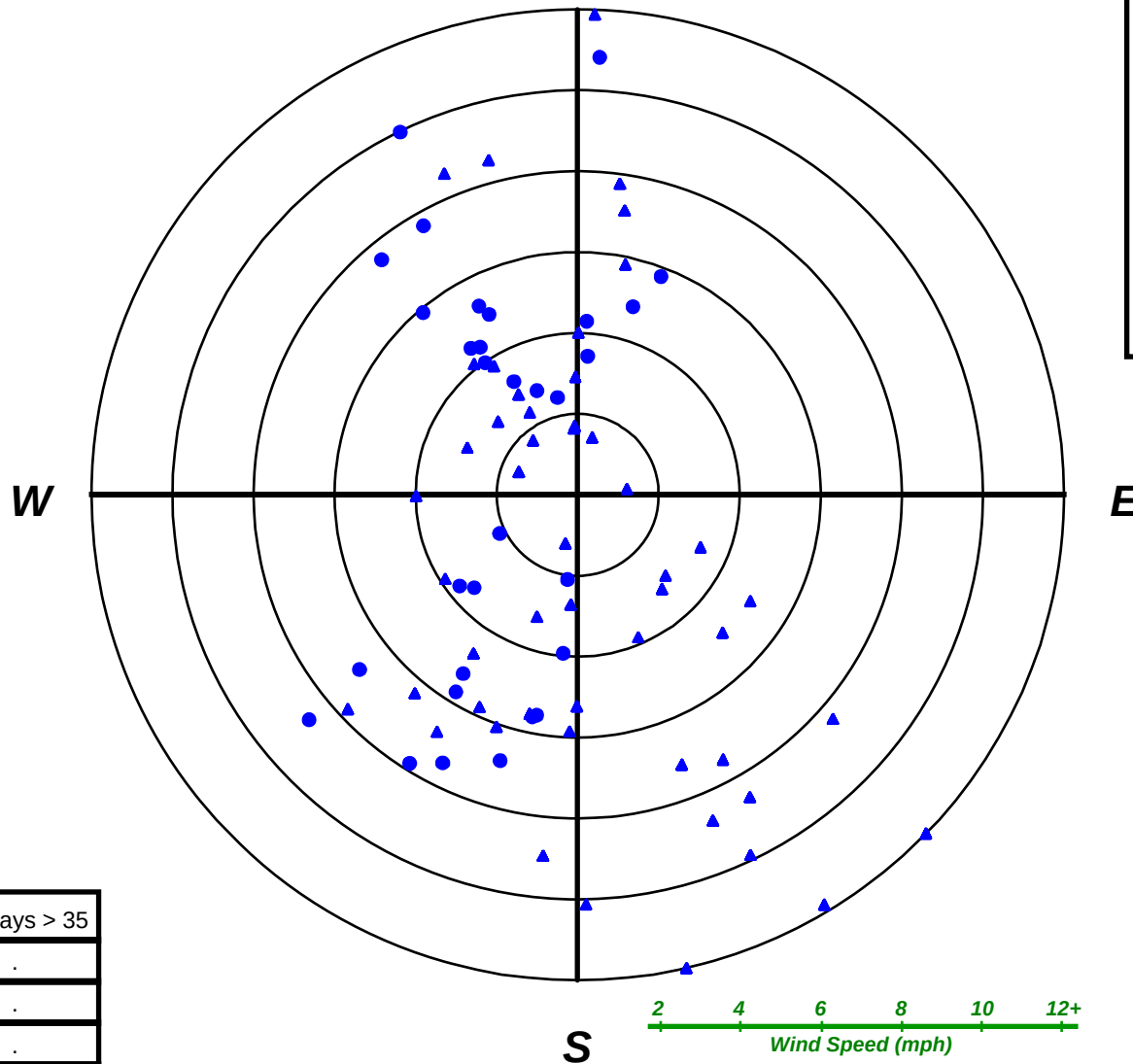
■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



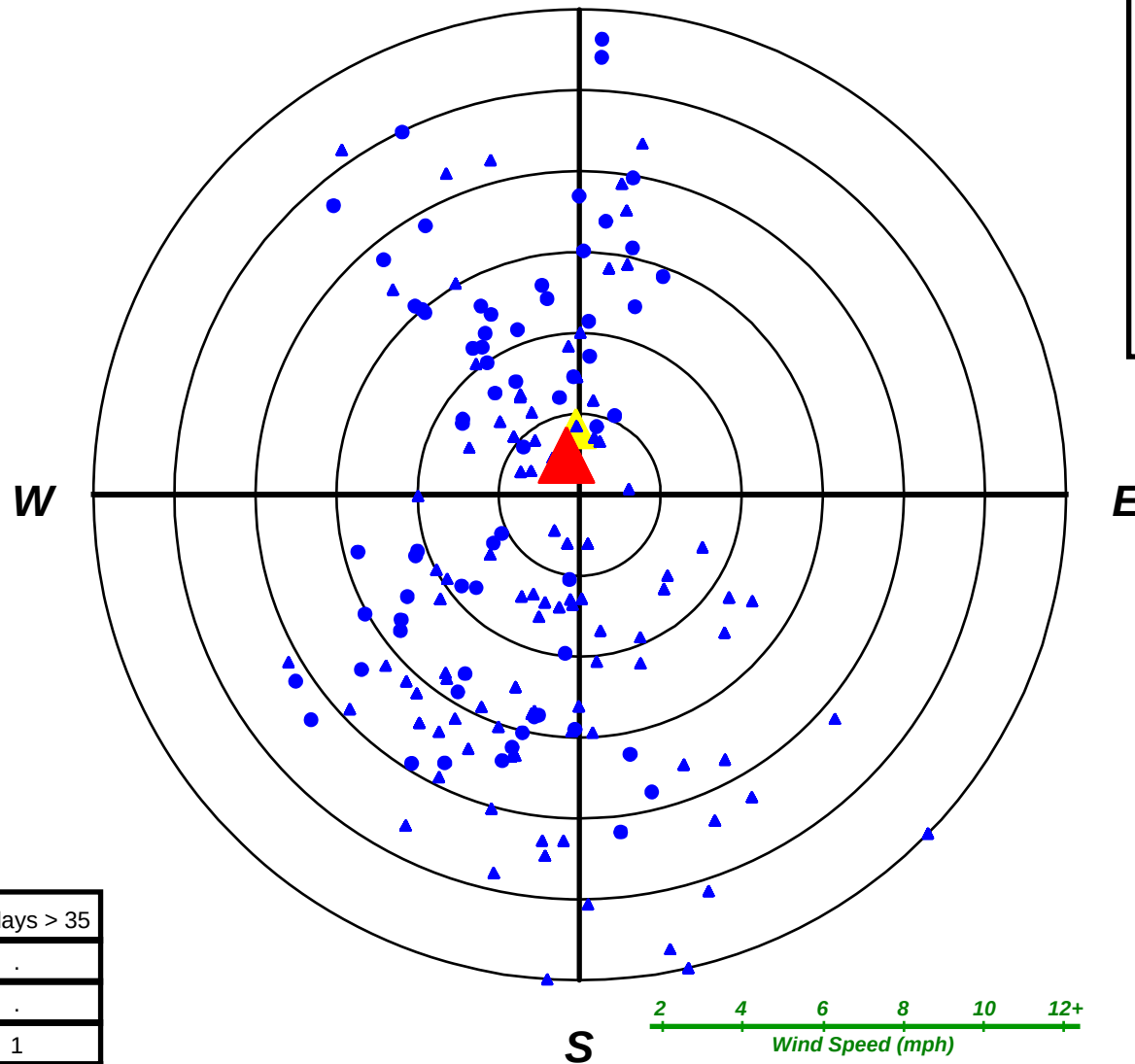
Year	98th %-ile	# days > 35
2005	17.9	.
2006	16.6	.
2007	.	.
Design Value	17-inc-a	

No exceedances

Meteorological data from 21.5 miles away
EUGENE_MAHLON_SWEET_ARPT (ID=24221)

Oakridge, OR [Lane County, OR]
Pollution Rose, 2005-2007

Site 410391009



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	24.5	.
2006	27.8	.
2007	18.4	1
Design Value	24-A	

All exceedances plotted

Meteorological data from 11.0 miles away
EUGENE_MAHLON_SWEET_ARPT (ID=24221)

Oakridge, OR [Lane County, OR]
Pollution Rose, 2005-2007

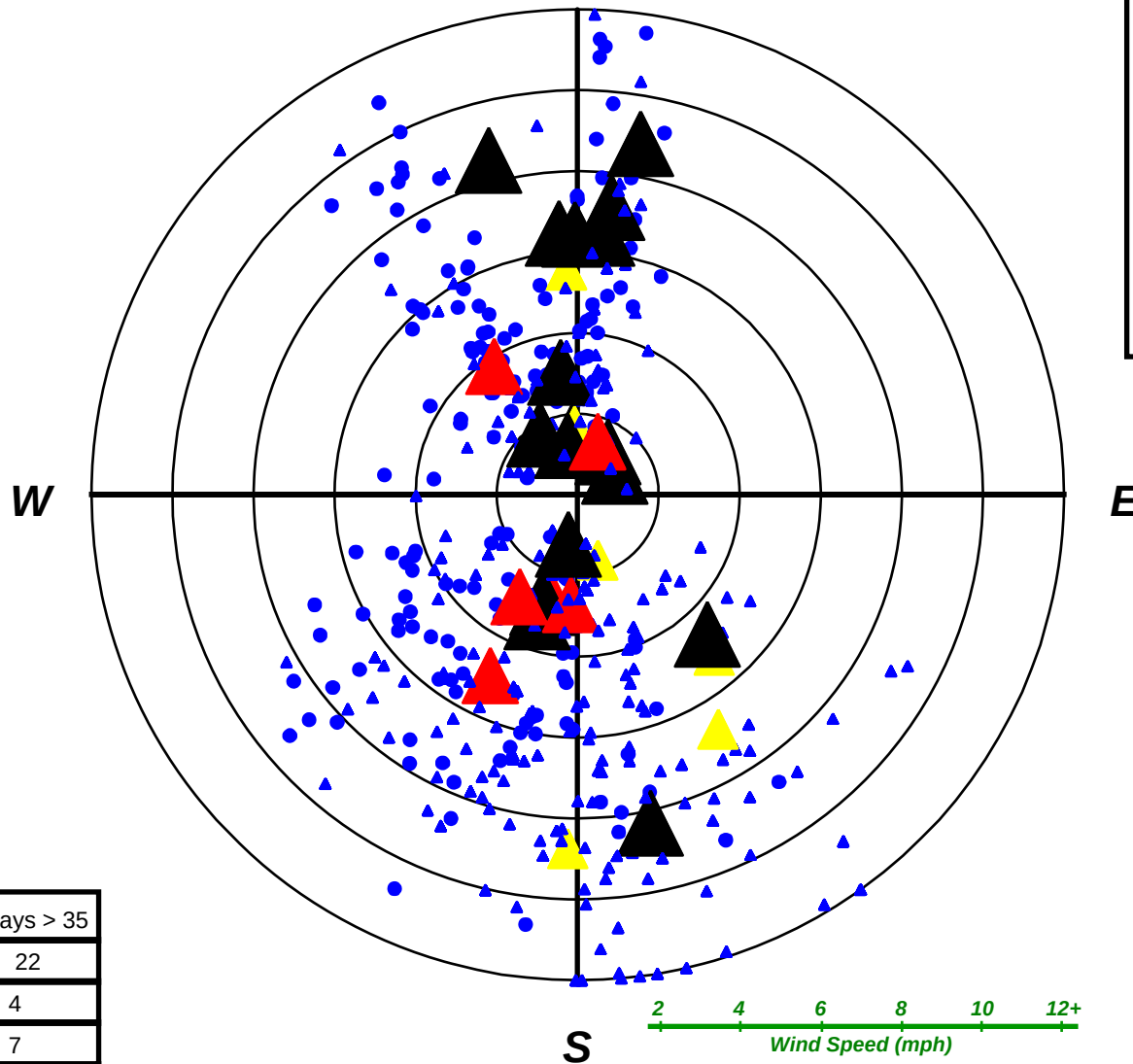
Site 410392013

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	58.4	22
2006	38.6	4
2007	42.7	7
Design Value	47-NA	

10 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 44.8 miles away
EUGENE MAHLON SWEET ARPT (ID=24221)

Oakridge, OR [Lane County, OR]
Pollution Rose, 2005-2007

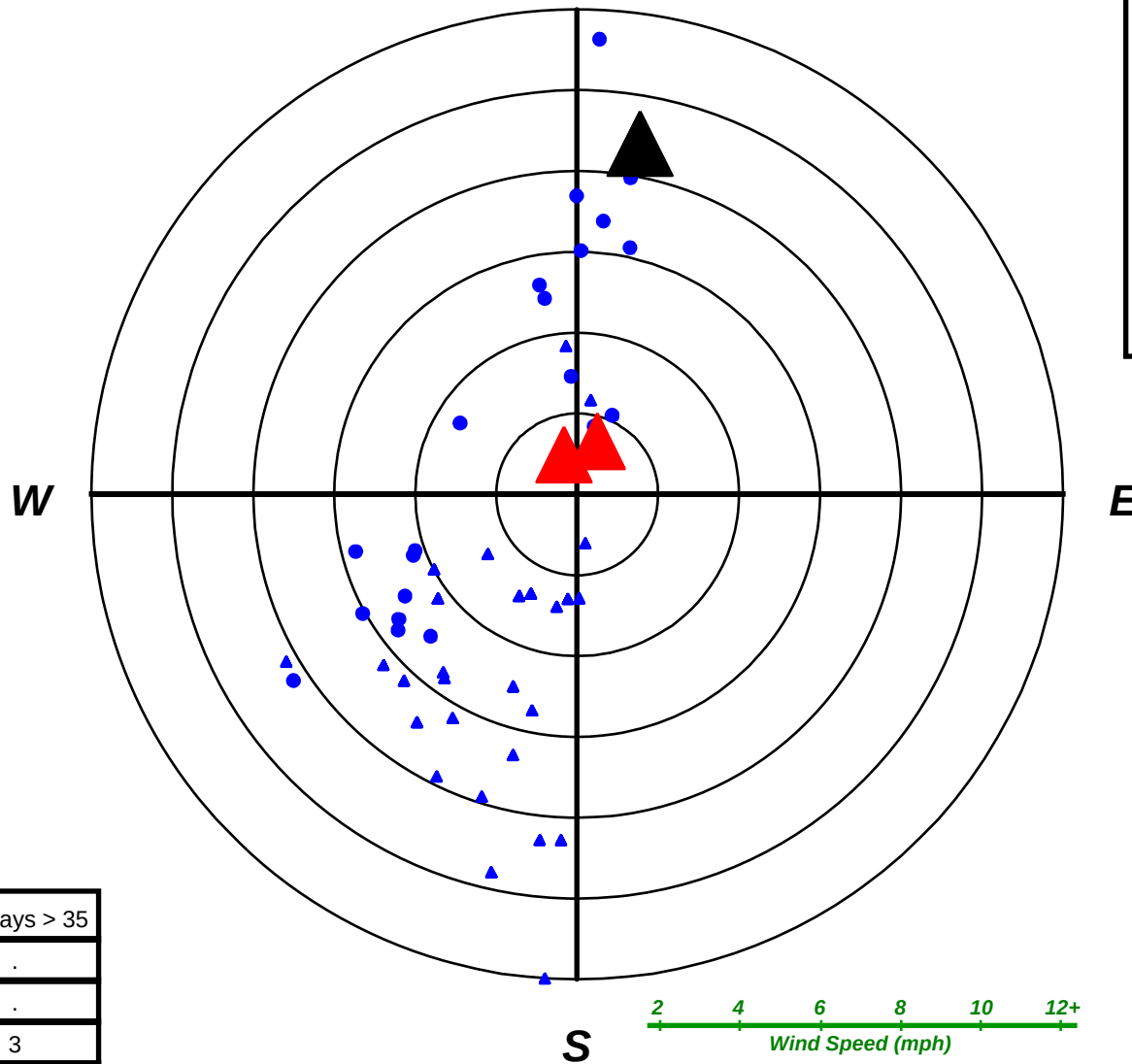
Site 410399002

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	38.8	3
Design Value	39-inc-na	

All exceedances plotted

Meteorological data from 23.9 miles away
EUGENE_MAHLON_SWEET_ARPT (ID=24221)

Paducah-Mayfield, KY-IL [McCracken County, KY]
Pollution Rose, 2005-2007

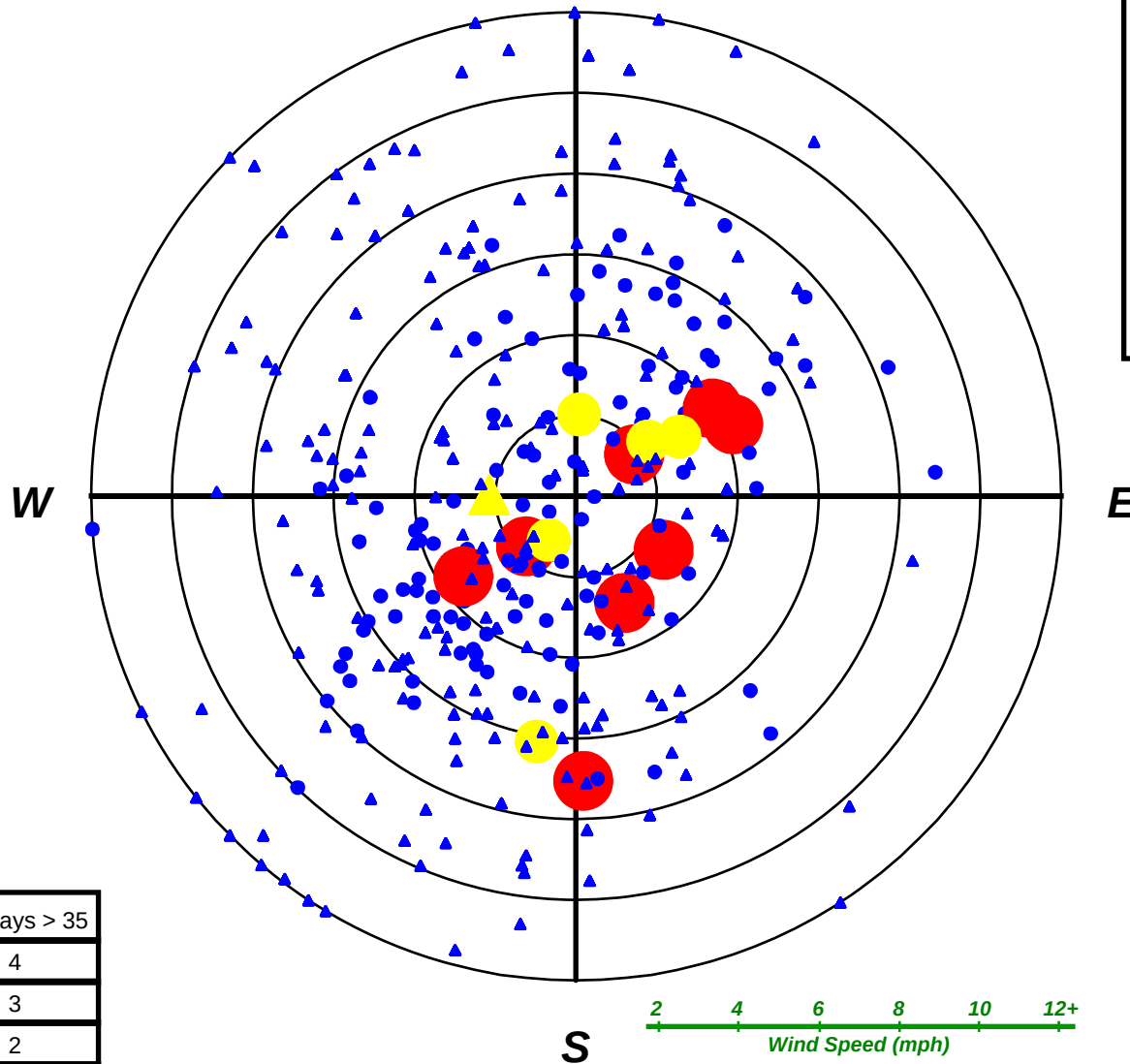
Site 211451004

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	37.1	4
2006	36.7	3
2007	34.2	2
Design Value	36-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 7.2 miles away
PADUCAH_BARKLEY_REGIONAL_AP (ID= 3816)

**Parkersburg-Marietta, WV-OH [Wood County, WV]
Pollution Rose, 2005-2007**

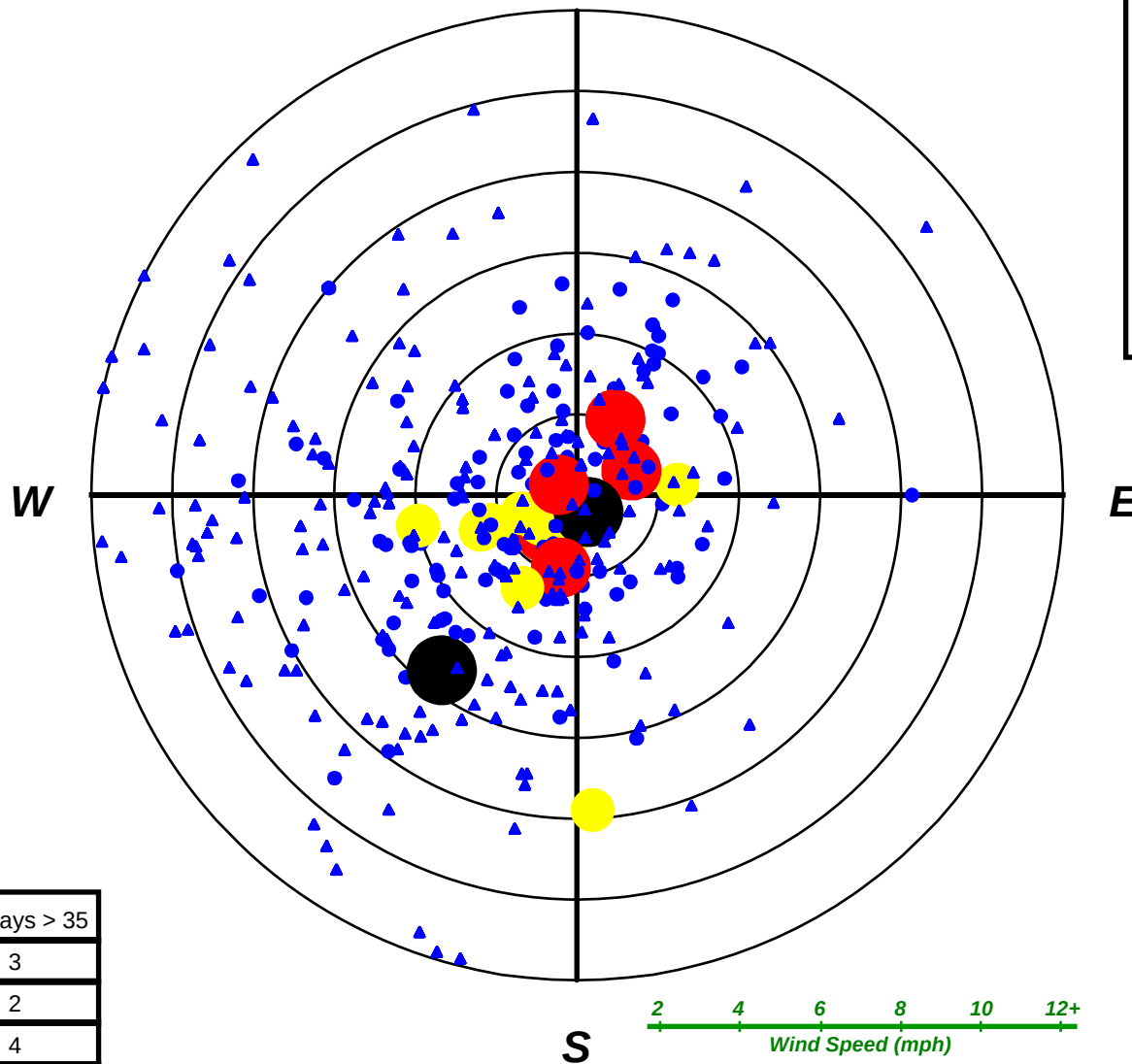
Site 541071002

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



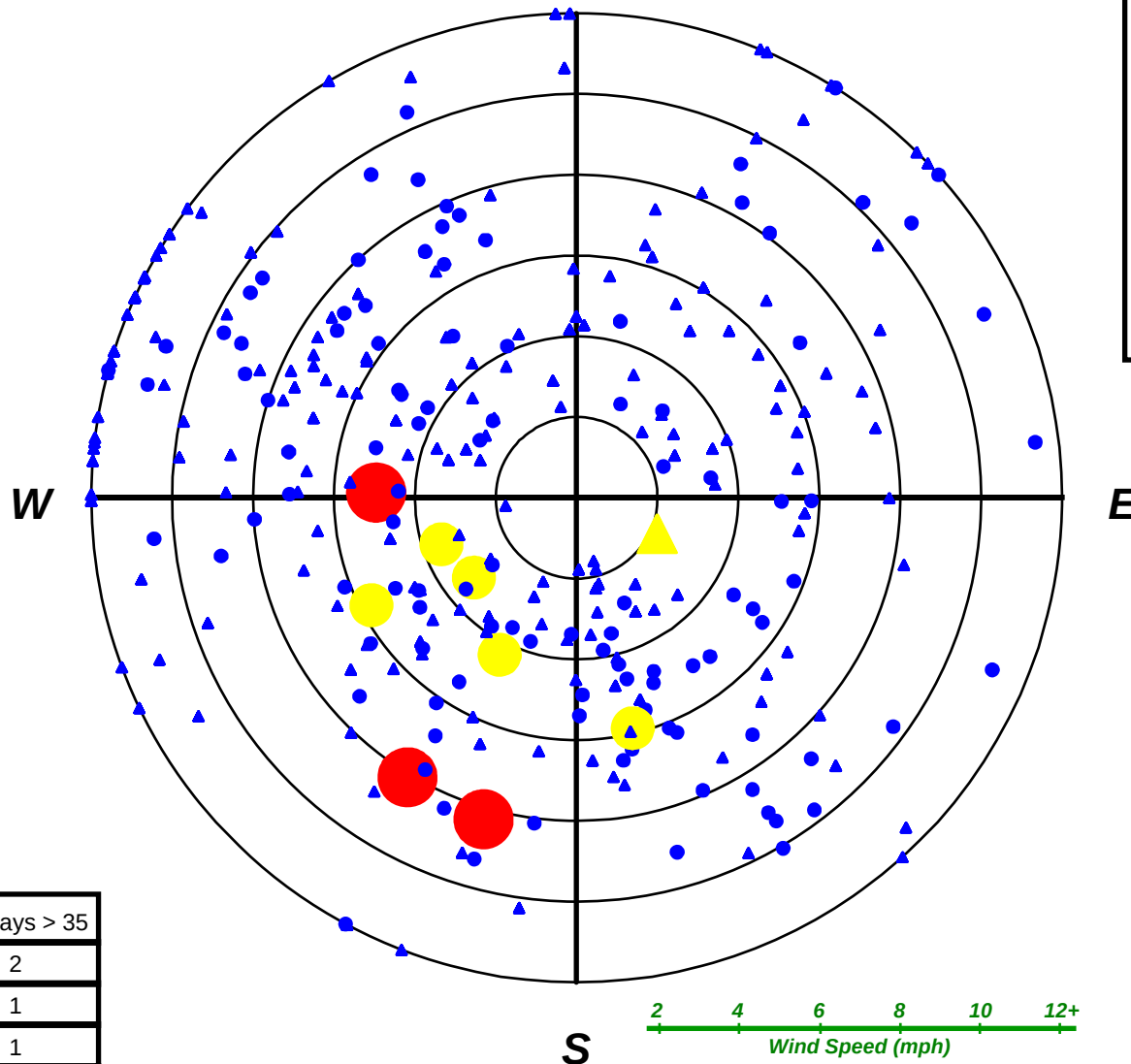
Year	98th %-ile	# days > 35
2005	36.2	3
2006	35.1	2
2007	38.8	4
Design Value	37-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 6.6 miles away
PARKERSBURG_WOOD_COUNTY_AP (ID= 3804)*

Philadelphia-Wilmington, PA-NJ-DE [New Castle County, DE]
Pollution Rose, 2005-2007

Site 100031003



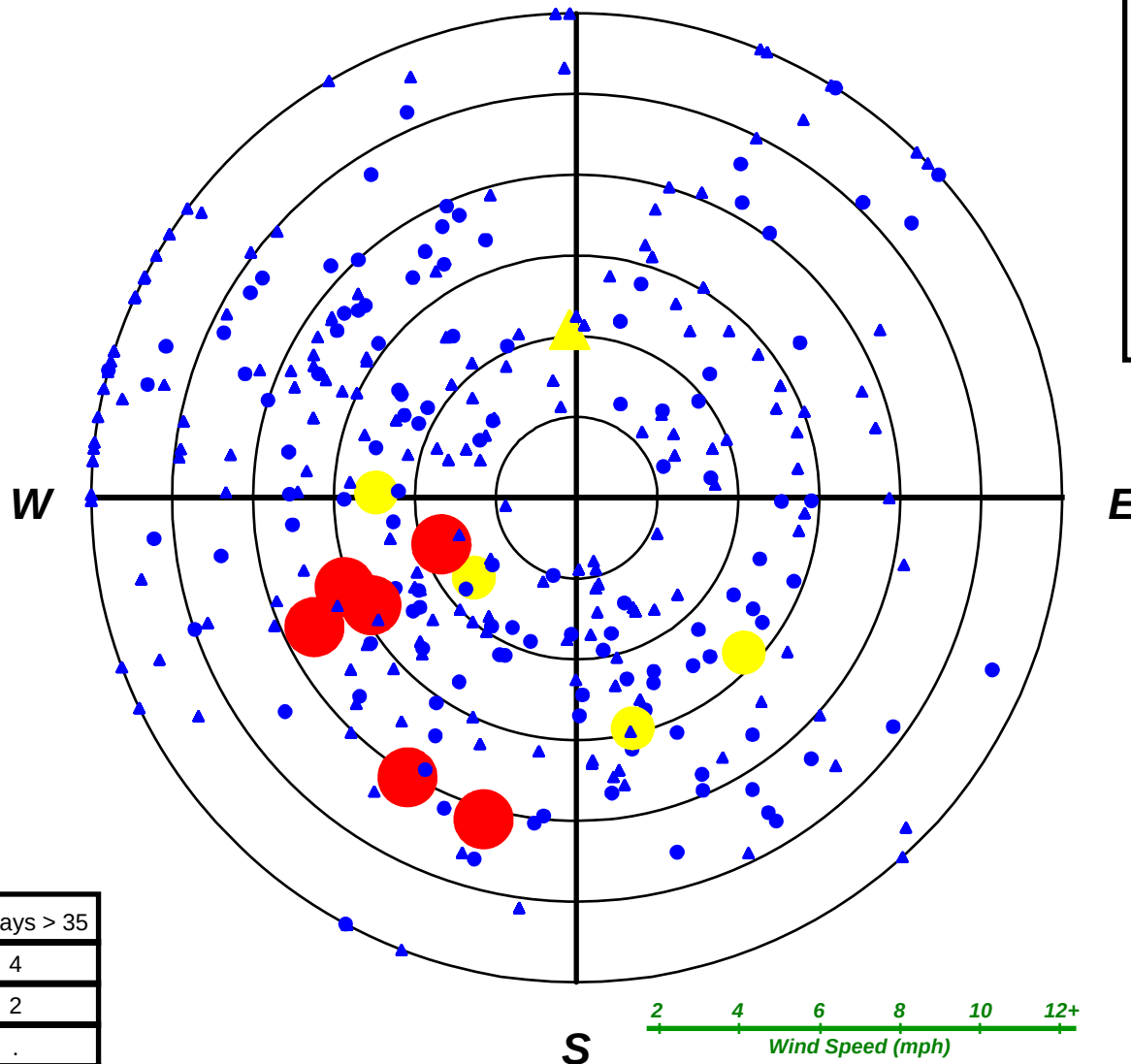
Year	98th %-ile	# days > 35
2005	34.8	2
2006	30.9	1
2007	32.3	1
Design Value	33-inc-a	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 8.7 miles away
WILMINGTON_NEW_CASTLE_CNTY_AP (ID=13781)

Philadelphia-Wilmington, PA-NJ-DE [New Castle County, DE]
Pollution Rose, 2005-2007

Site 100031007



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	36.2	4
2006	28.8	2
2007	29.6	.
Design Value	32-A	

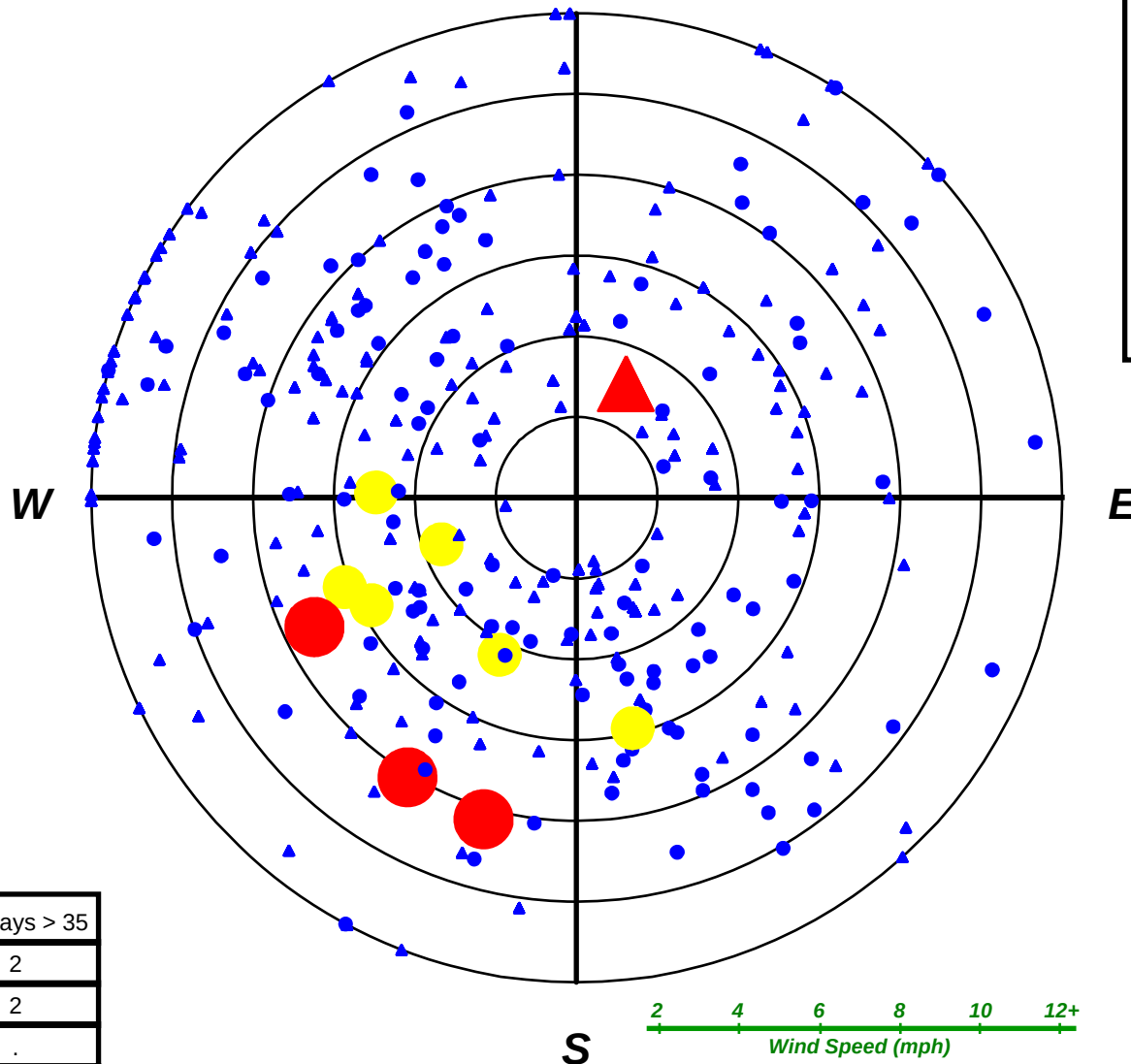
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 10.6 miles away
WILMINGTON_NEW_CASTLE_CNTY_AP (ID=13781)

Philadelphia-Wilmington, PA-NJ-DE [New Castle County, DE]
Pollution Rose, 2005-2007

Site 100031012



Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

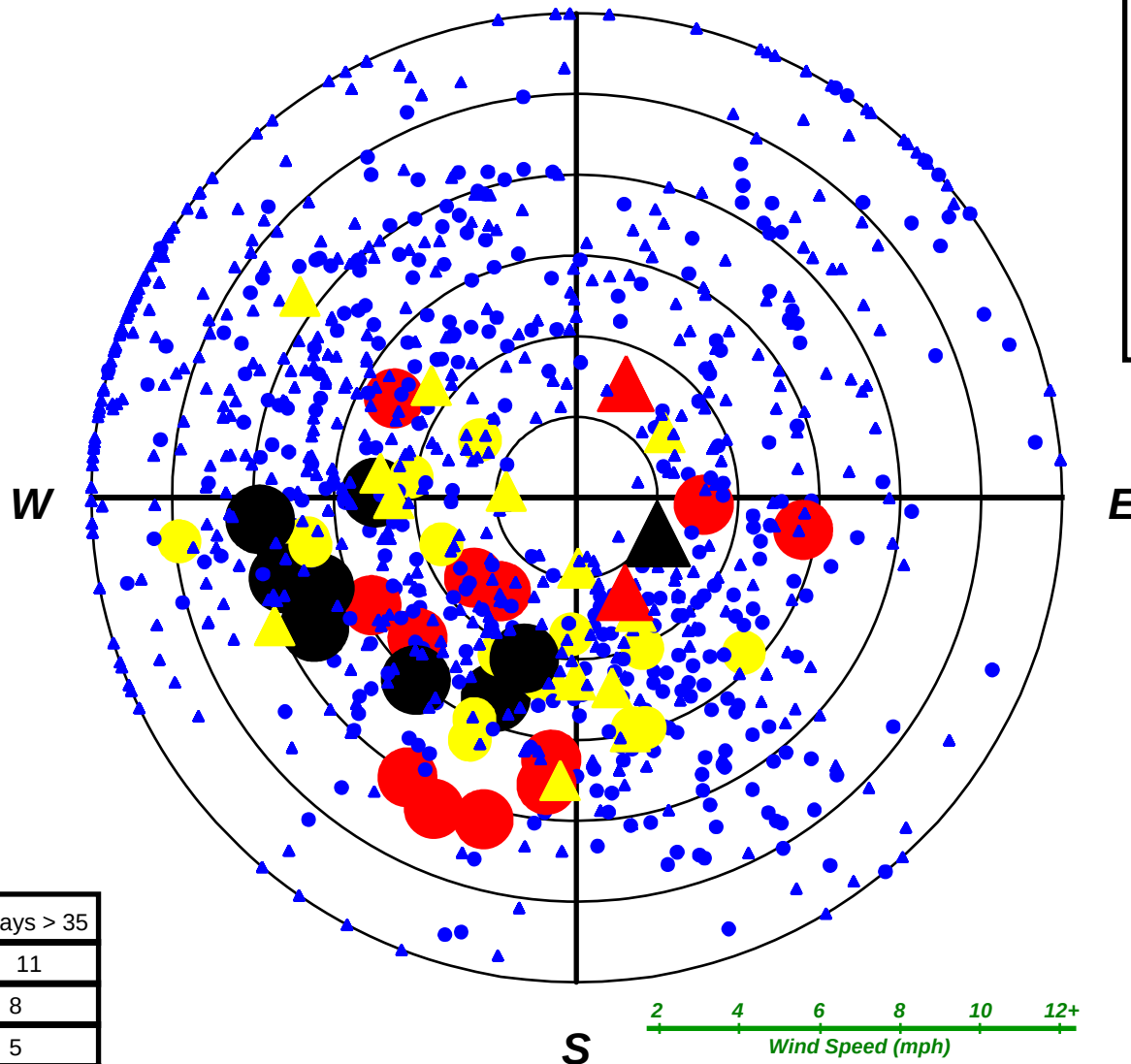
Year	98th %-ile	# days > 35
2005	35.0	2
2006	30.5	2
2007	31.0	.
Design Value	32-inc-a	

All exceedances plotted

Meteorological data from 8.8 miles away
WILMINGTON_NEW_CASTLE_CNTY_AP (ID=13781)

Philadelphia-Wilmington, PA-NJ-DE [New Castle County, DE]
Pollution Rose, 2005-2007

Site 100032004



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	37.7	11
2006	38.7	8
2007	33.6	5
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.5 miles away
WILMINGTON_NEW_CASTLE_CNTY_AP (ID=13781)

Philadelphia-Wilmington, PA-NJ-DE [Cecil County, MD]
Pollution Rose, 2005-2007

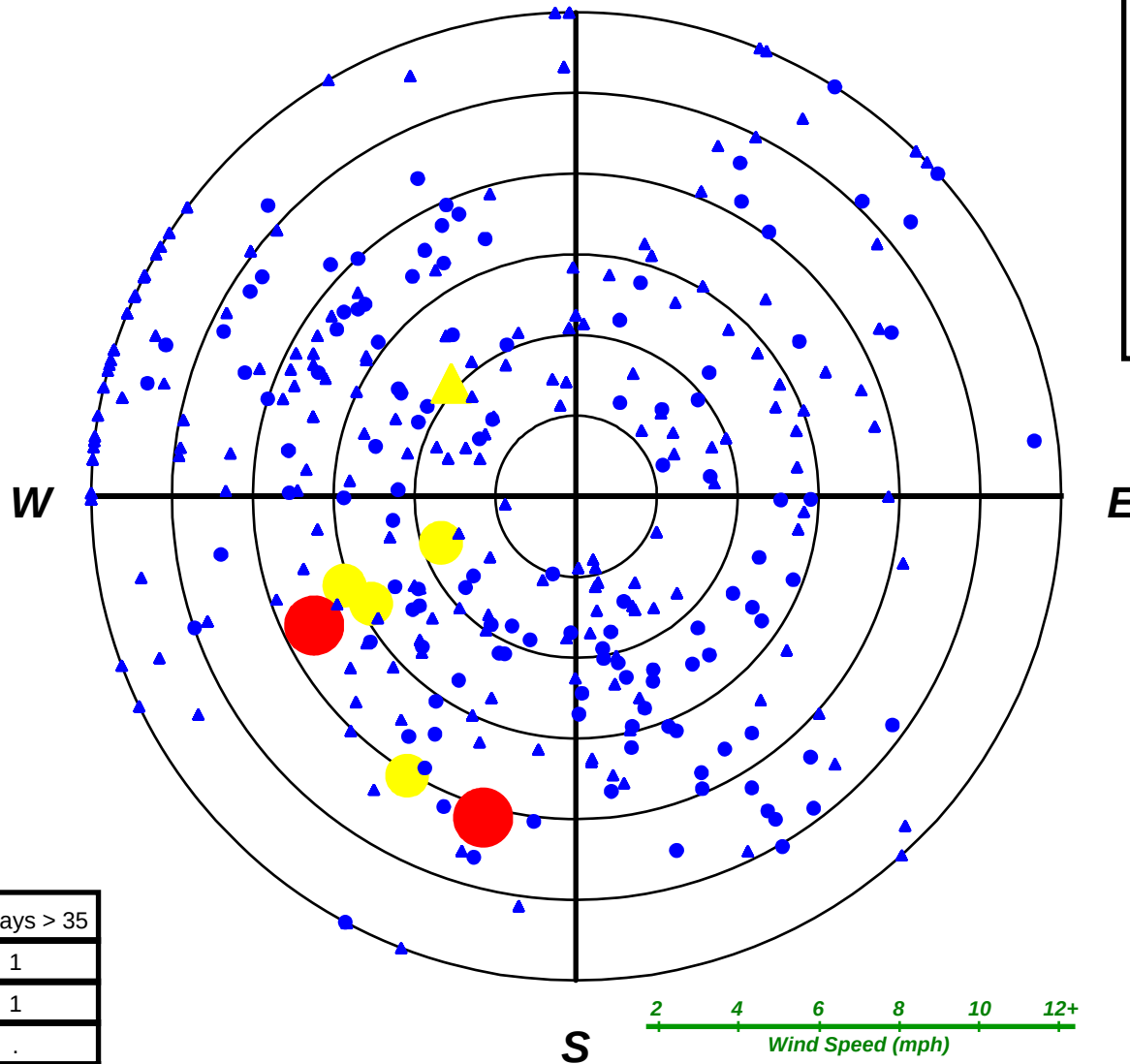
Site 240150003

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	31.6	1
2006	28.3	1
2007	30.2	.
Design Value	30-A	

All exceedances plotted

Meteorological data from 14.0 miles away
WILMINGTON_NEW_CASTLE_CNTY_AP (ID=13781)

Philadelphia-Wilmington, PA-NJ-DE [Camden County, NJ]
Pollution Rose, 2005-2007

Site 340070003

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

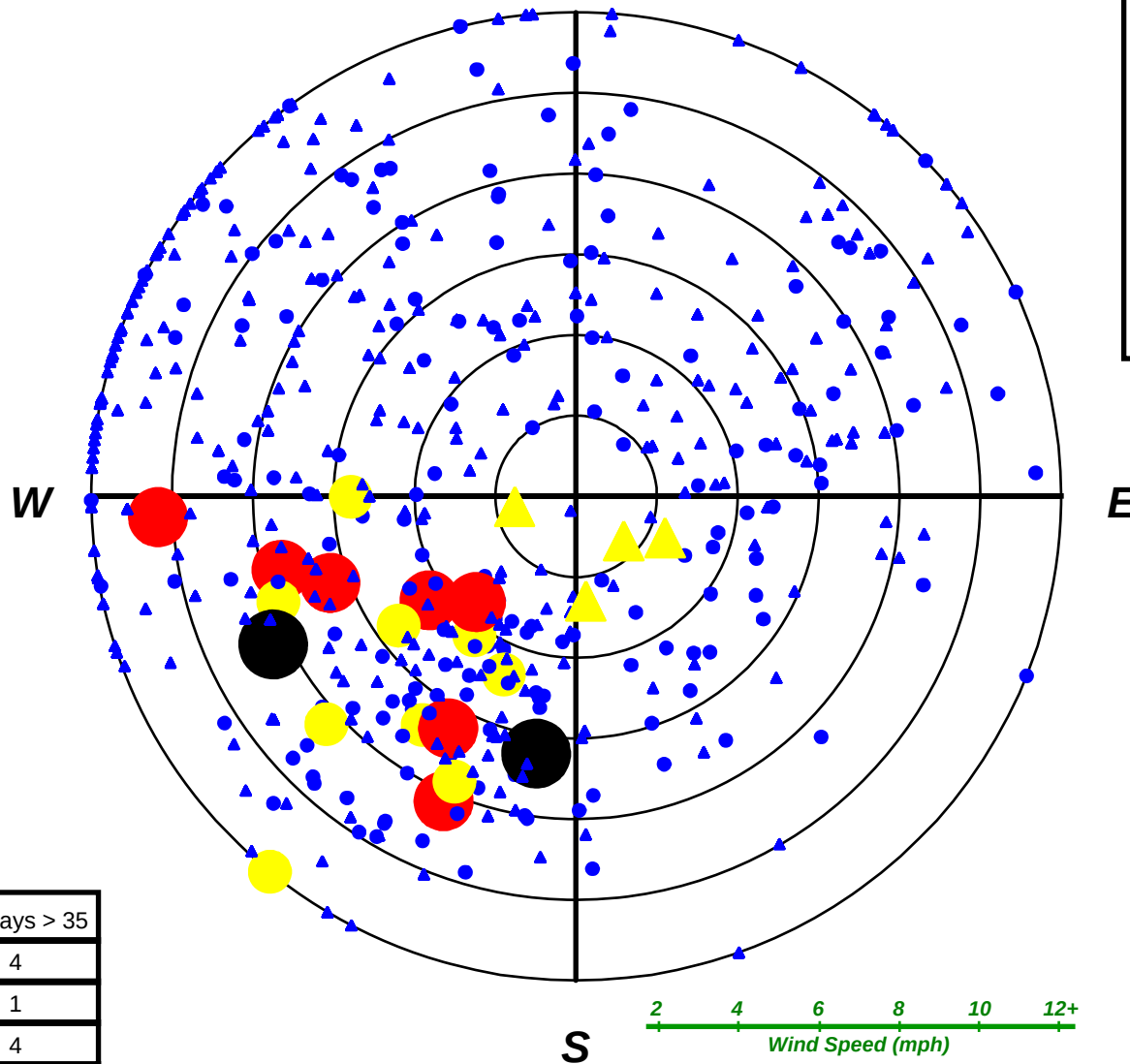
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



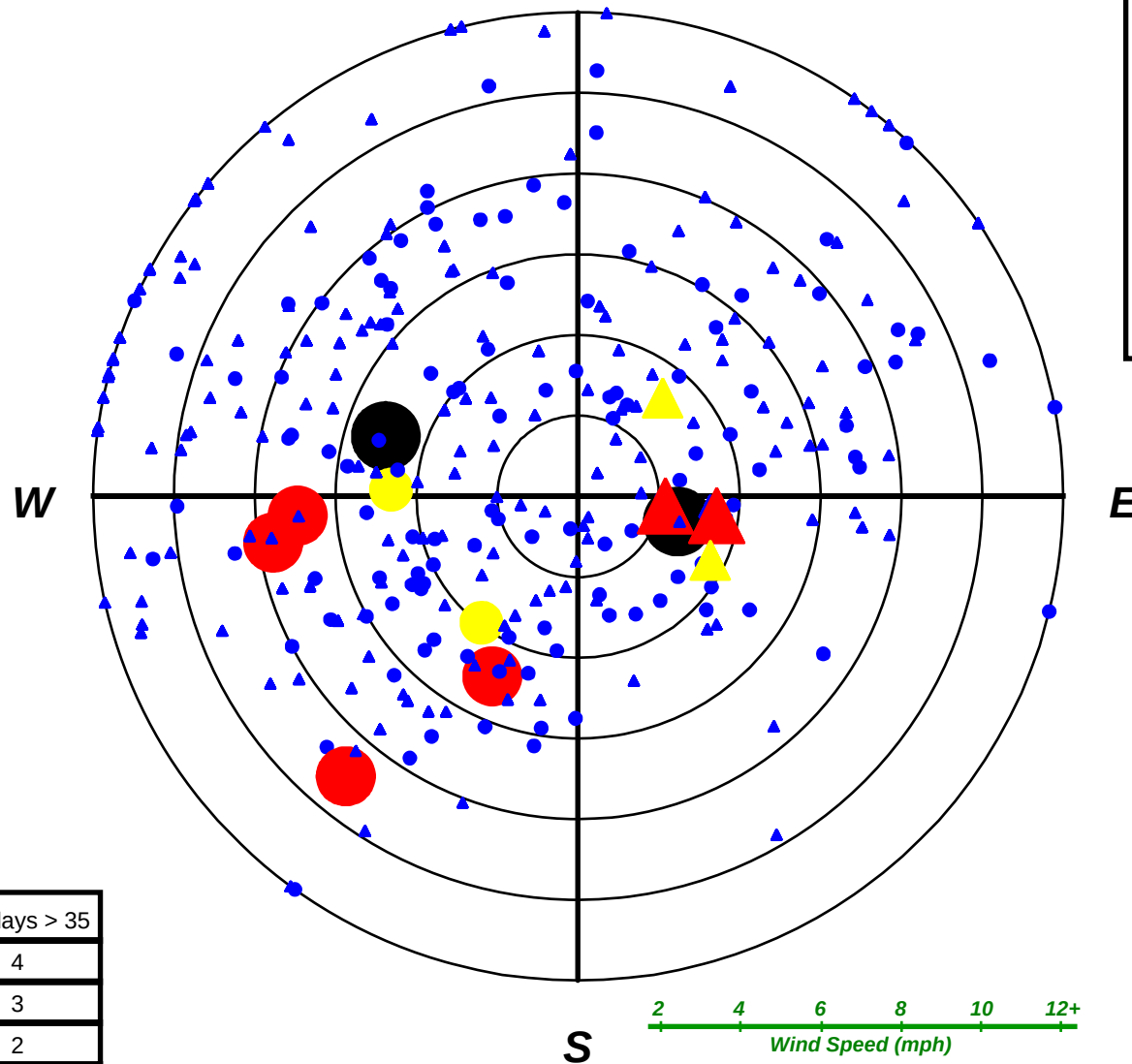
Year	98th %-ile	# days > 35
2005	38.0	4
2006	33.8	1
2007	33.9	4
Design Value	35-A	

All exceedances plotted

Meteorological data from 8.2 miles away
PHILADELPHIA INTERNATIONAL AP (ID=13739)

Philadelphia-Wilmington, PA-NJ-DE [Camden County, NJ]
Pollution Rose, 2005-2007

Site 340071007



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

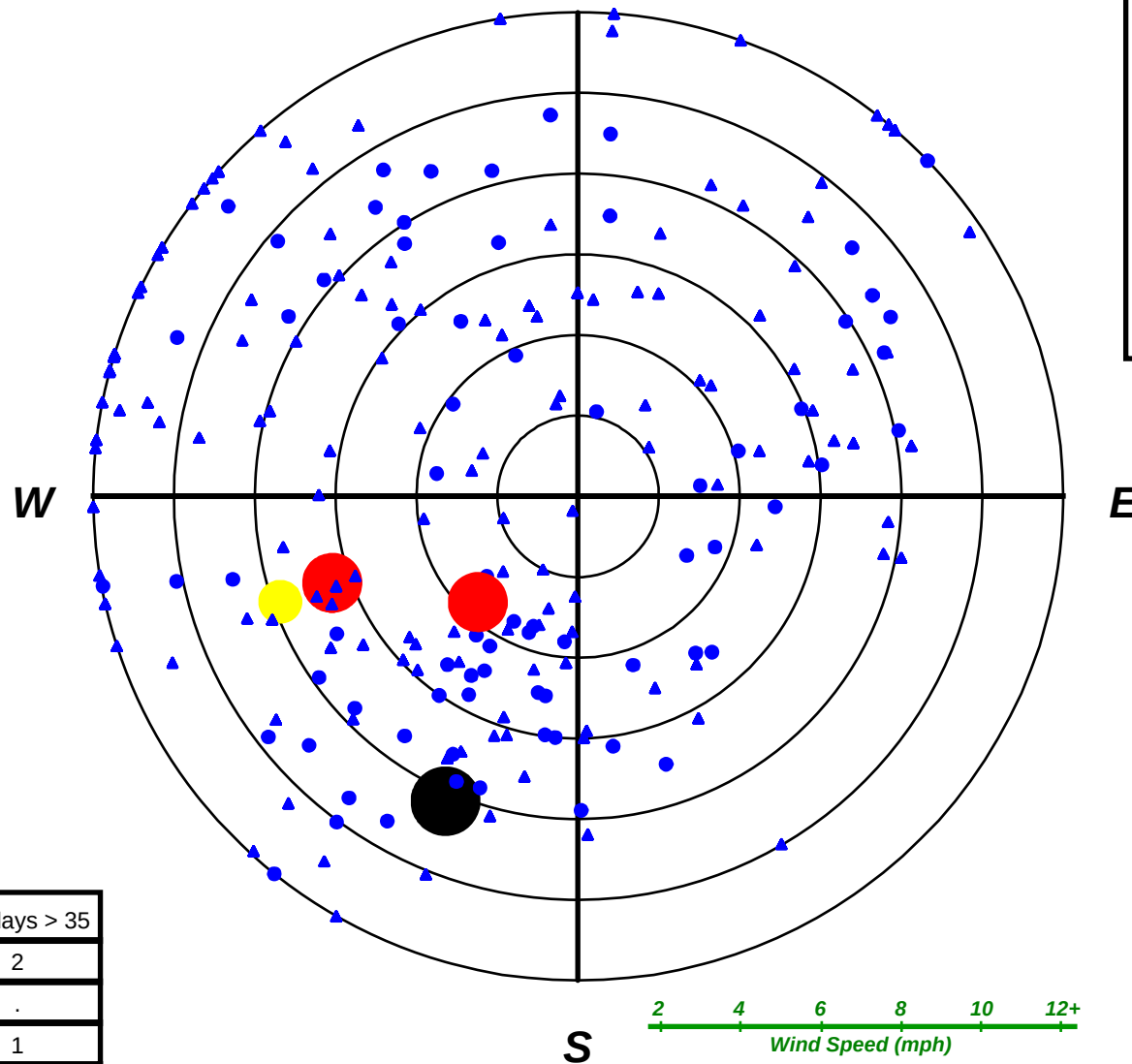
Year	98th %-ile	# days > 35
2005	37.2	4
2006	37.8	3
2007	35.1	2
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.7 miles away
PHILADELPHIA_NE_PHILADELPHIA (ID=94732)

Philadelphia-Wilmington, PA-NJ-DE [Gloucester County, NJ]
Pollution Rose, 2005-2007

Site 340155001



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	32.4	2
2006	24.1	.
2007	31.3	1
Design Value	29-inc-a	

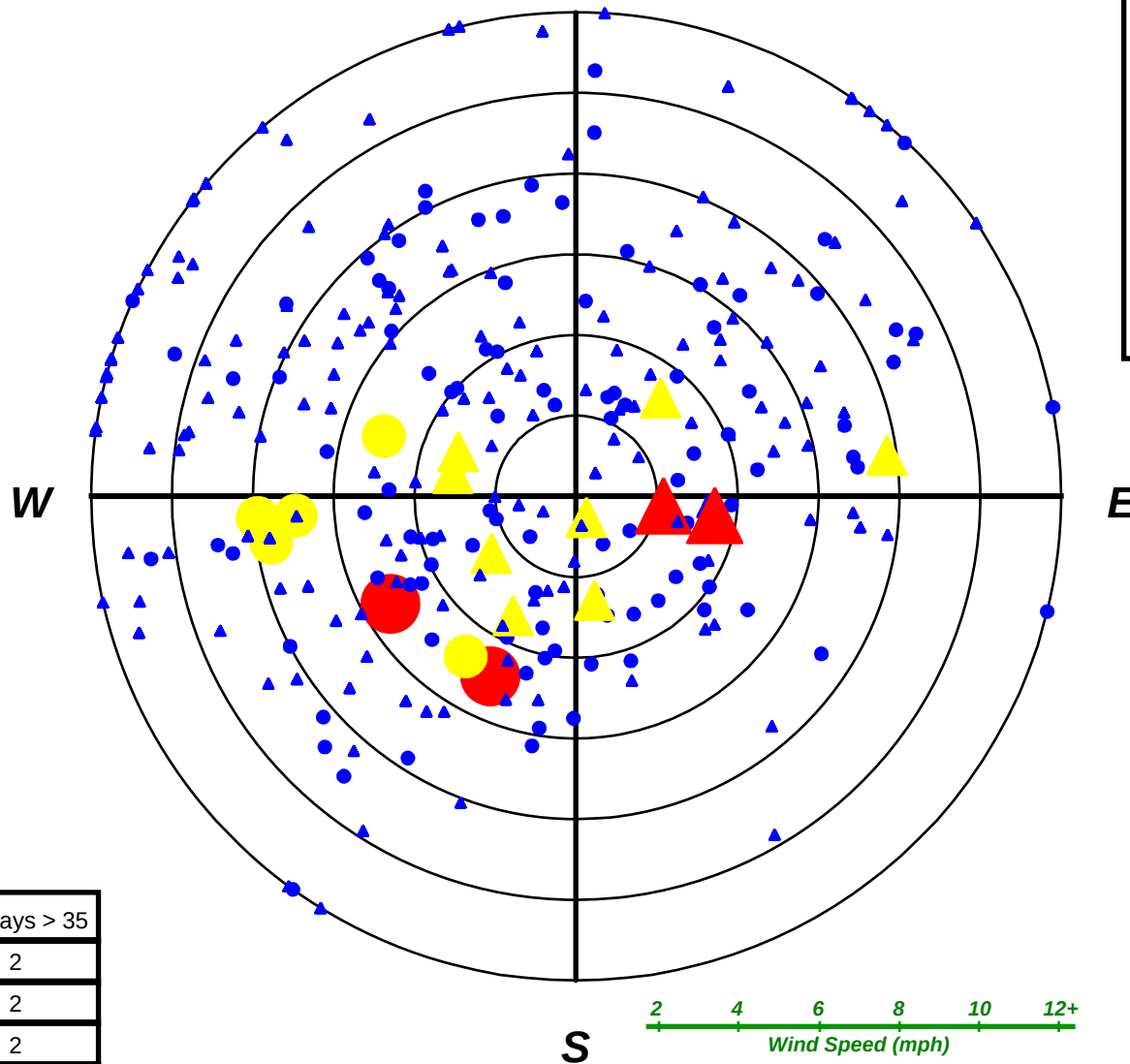
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 4.1 miles away
PHILADELPHIA INTERNATIONAL AP (ID=13739)

Philadelphia-Wilmington, PA-NJ-DE [Bucks County, PA]
Pollution Rose, 2005-2007

Site 420170012



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

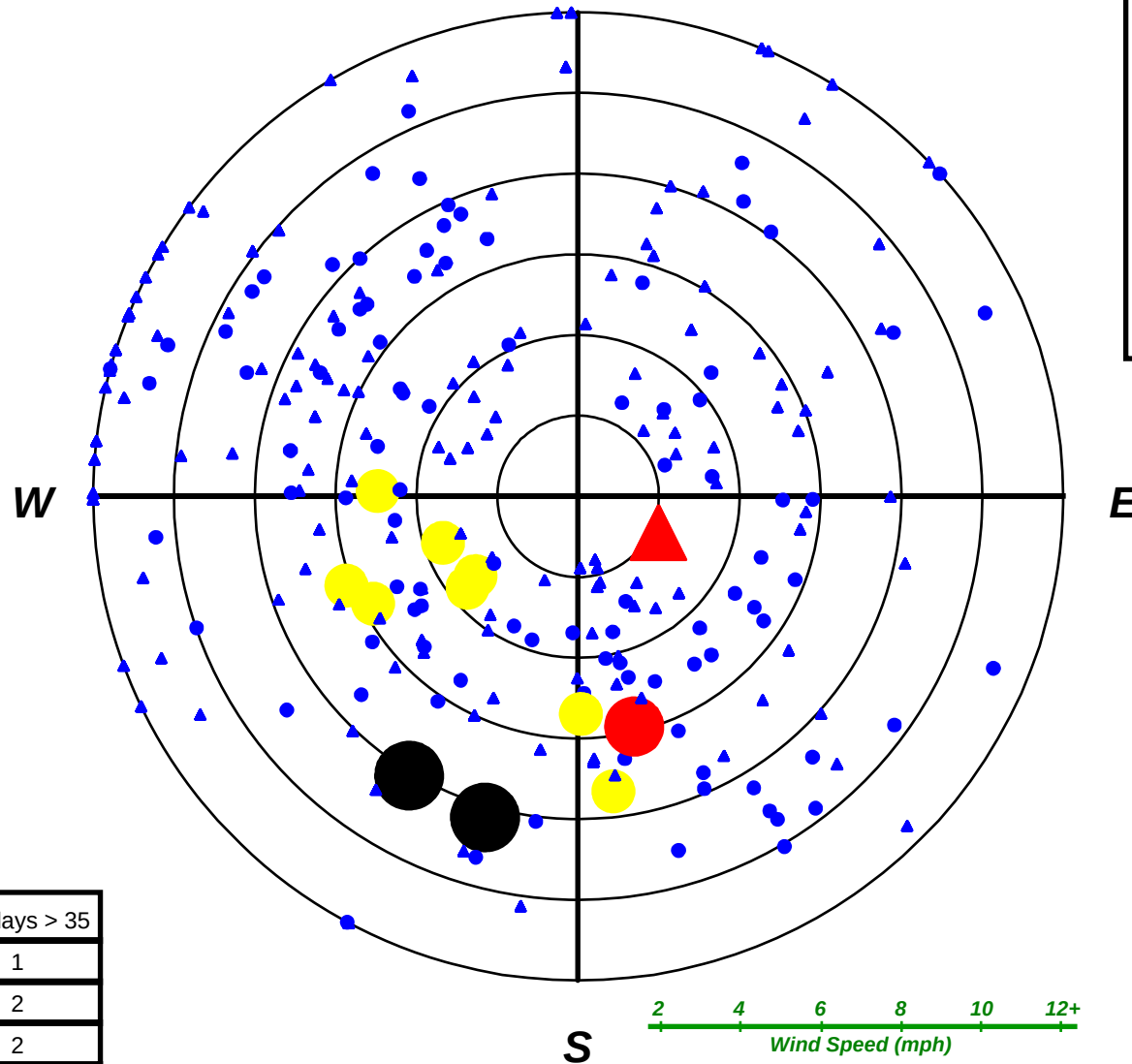
Year	98th %-ile	# days > 35
2005	35.4	2
2006	34.2	2
2007	35.0	2
Design Value	35-A	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 7.3 miles away
PHILADELPHIA_NE_PHILADELPHIA (ID=94732)

Philadelphia-Wilmington, PA-NJ-DE [Chester County, PA]
Pollution Rose, 2005-2007

Site 420290100



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

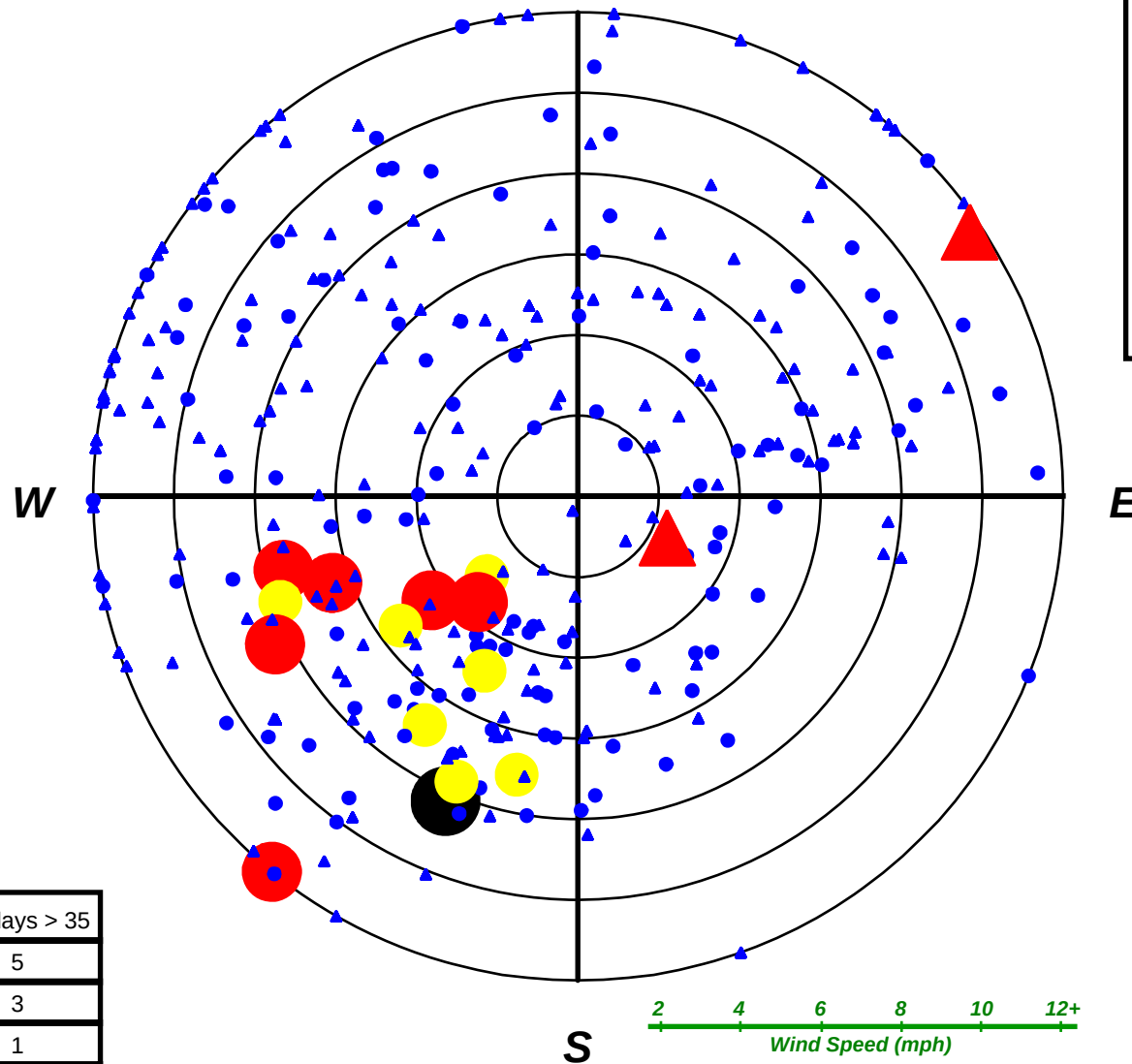
Year	98th %-ile	# days > 35
2005	33.7	1
2006	38.3	2
2007	38.1	2
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 14.6 miles away
WILMINGTON_NEW_CASTLE_CNTY_AP (ID=13781)

Philadelphia-Wilmington, PA-NJ-DE [Delaware County, PA]
Pollution Rose, 2005-2007

Site 420450002



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	37.0	5
2006	36.7	3
2007	34.0	1
Design Value	36-NA	

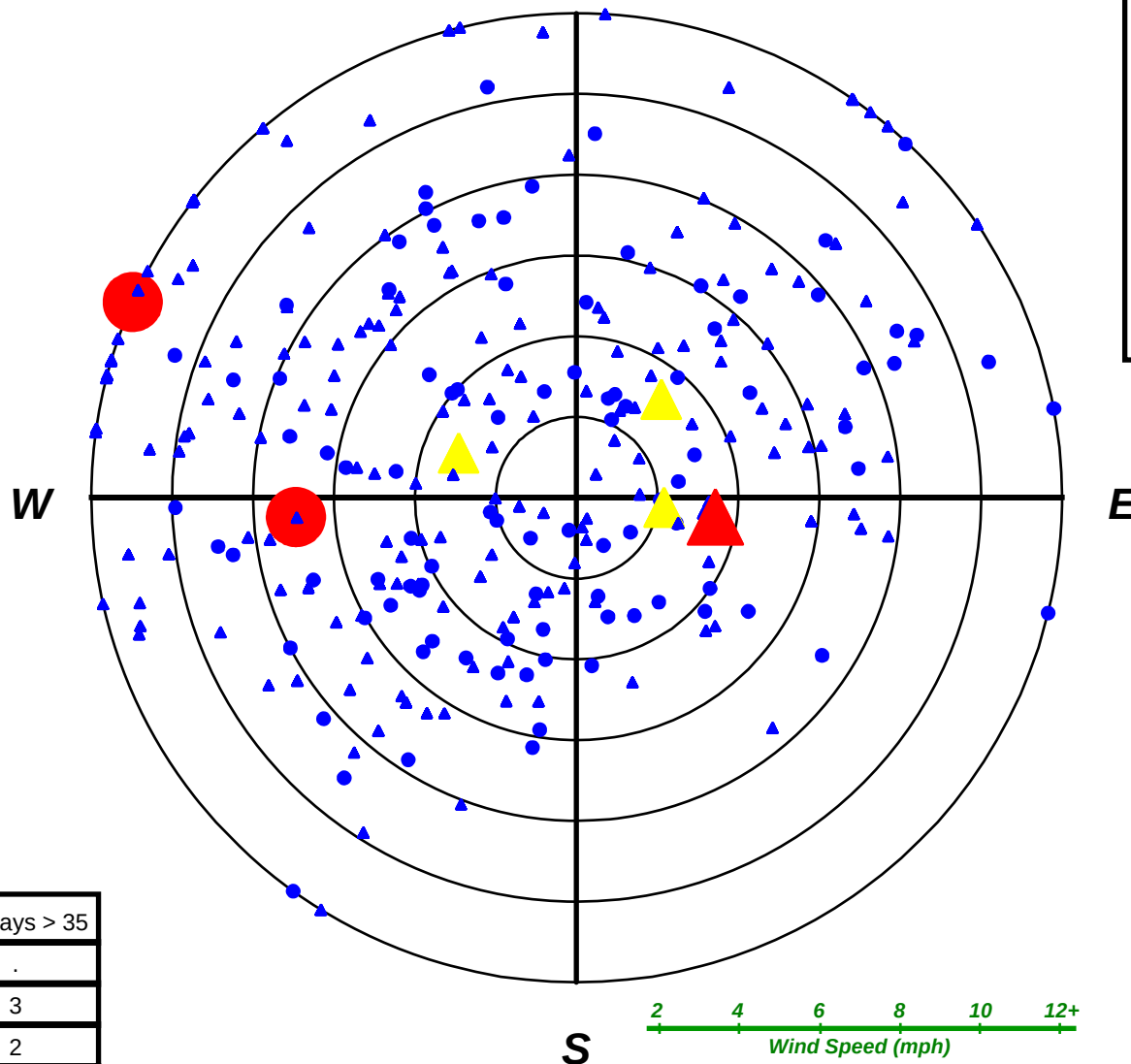
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 7.7 miles away
PHILADELPHIA INTERNATIONAL AP (ID=13739)

Philadelphia-Wilmington, PA-NJ-DE [Montgomery County, PA]
Pollution Rose, 2005-2007

Site 420910013



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	32.0	.
2006	36.4	3
2007	30.1	2
Design Value	33-inc-a	

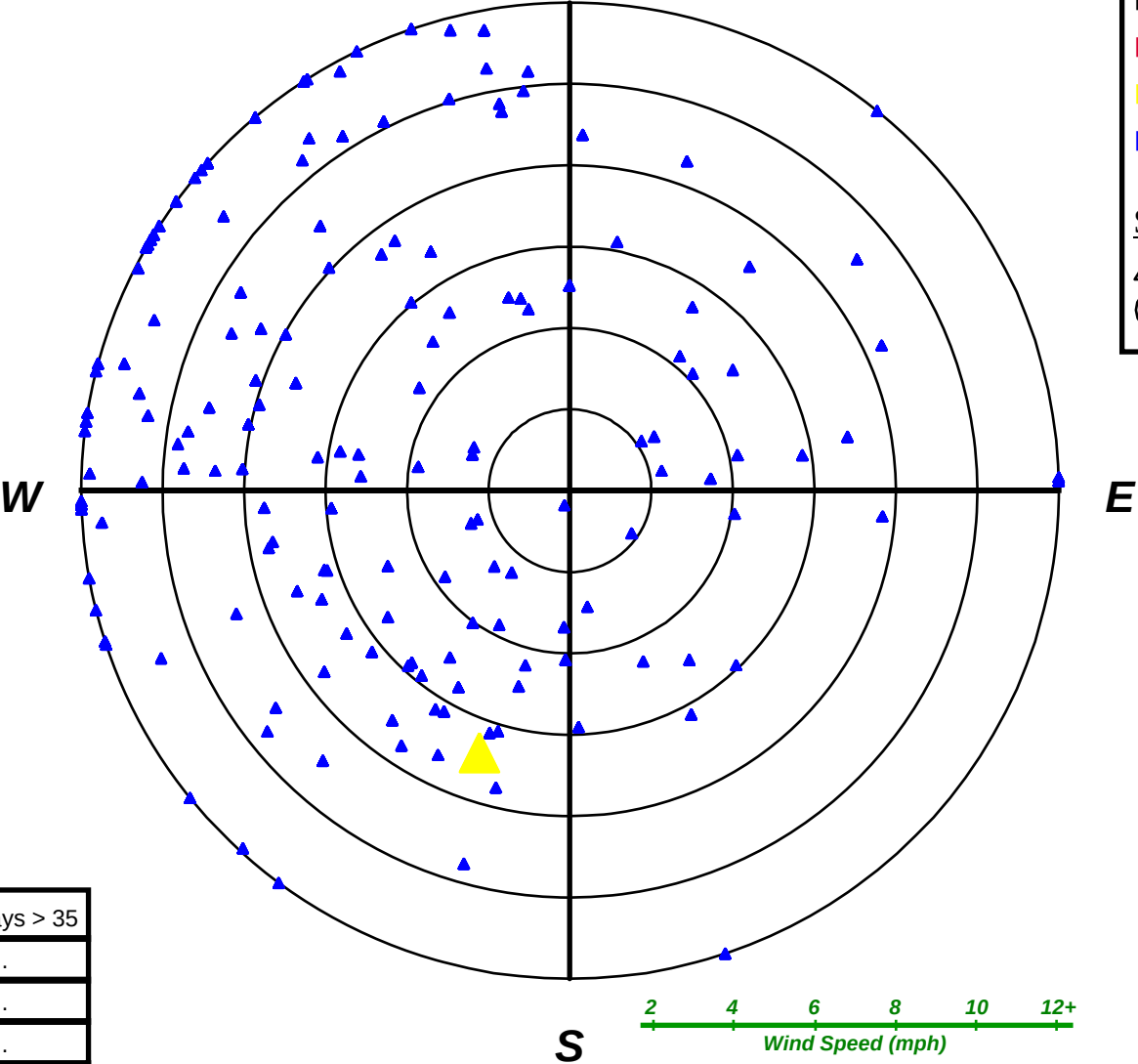
2 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 15.6 miles away
PHILADELPHIA_NE_PHILADELPHIA (ID=94732)

Philadelphia-Wilmington, PA-NJ-DE [Philadelphia County, PA]
Pollution Rose, 2005-2007

Site 421010003



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

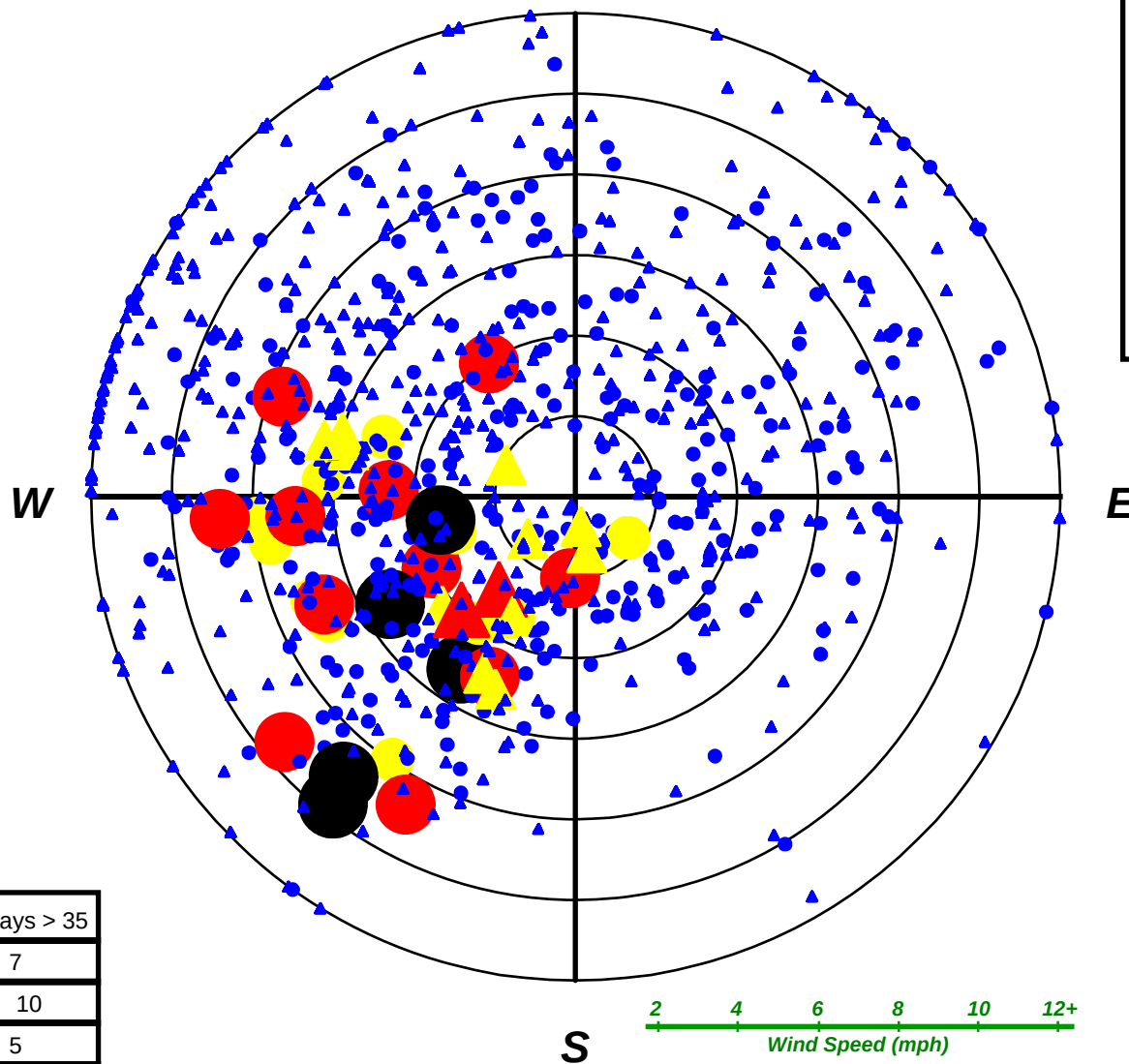
Year	98th %-ile	# days > 35
2005	29.0	.
2006	28.8	.
2007	.	.
Design Value	29-inc-a	

No exceedances

Meteorological data from 6.4 miles away
PHILADELPHIA INTERNATIONAL AP (ID=13739)

Philadelphia-Wilmington, PA-NJ-DE [Philadelphia County, PA]
Pollution Rose, 2005-2007

Site 421010004



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

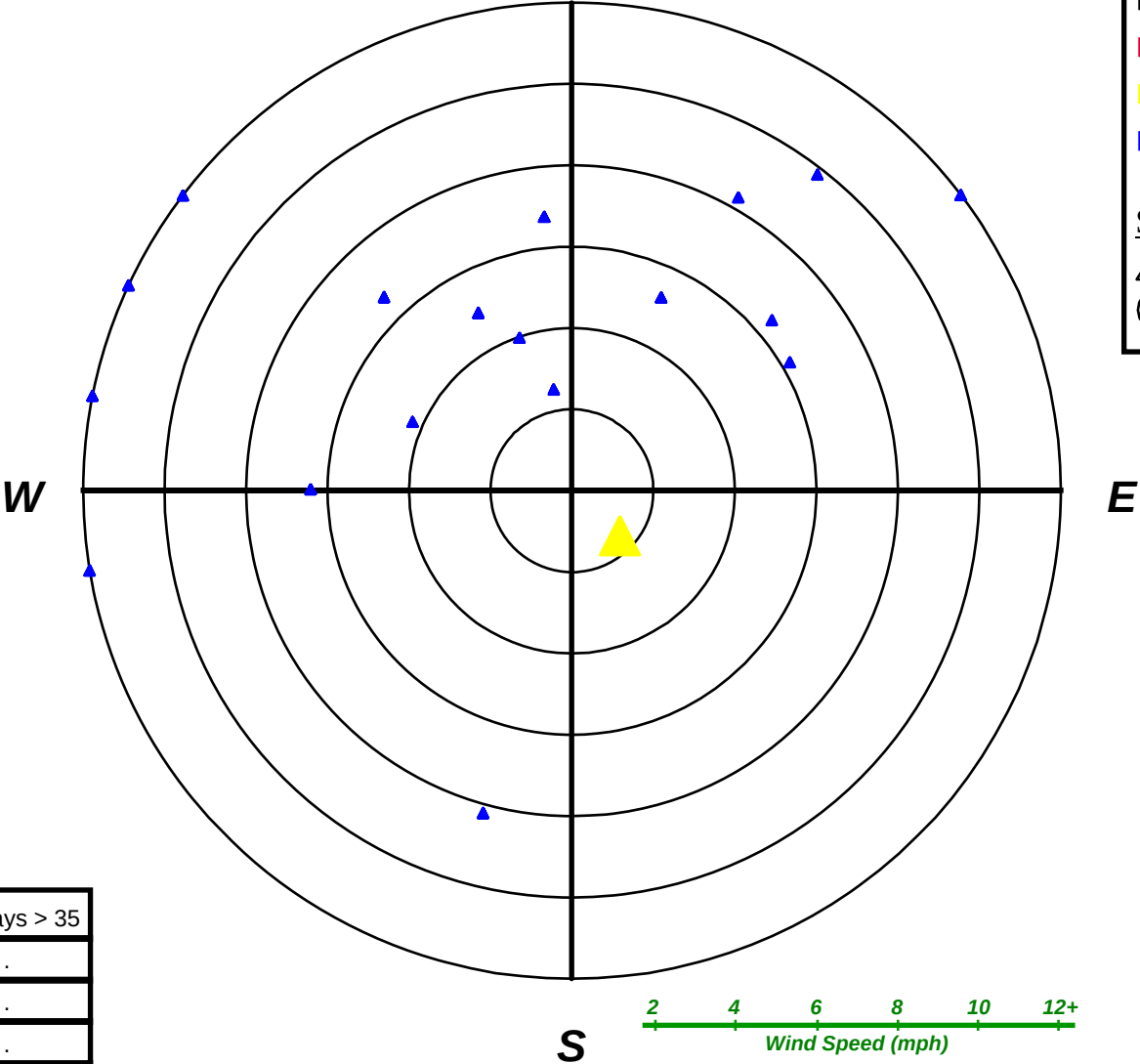
Year	98th %-ile	# days > 35
2005	35.9	7
2006	38.6	10
2007	35.4	5
Design Value	37-NA	

4 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.7 miles away
PHILADELPHIA_NE_PHILADELPHIA (ID=94732)

Philadelphia-Wilmington, PA-NJ-DE [Philadelphia County, PA]
Pollution Rose, 2005-2007

Site 421010020



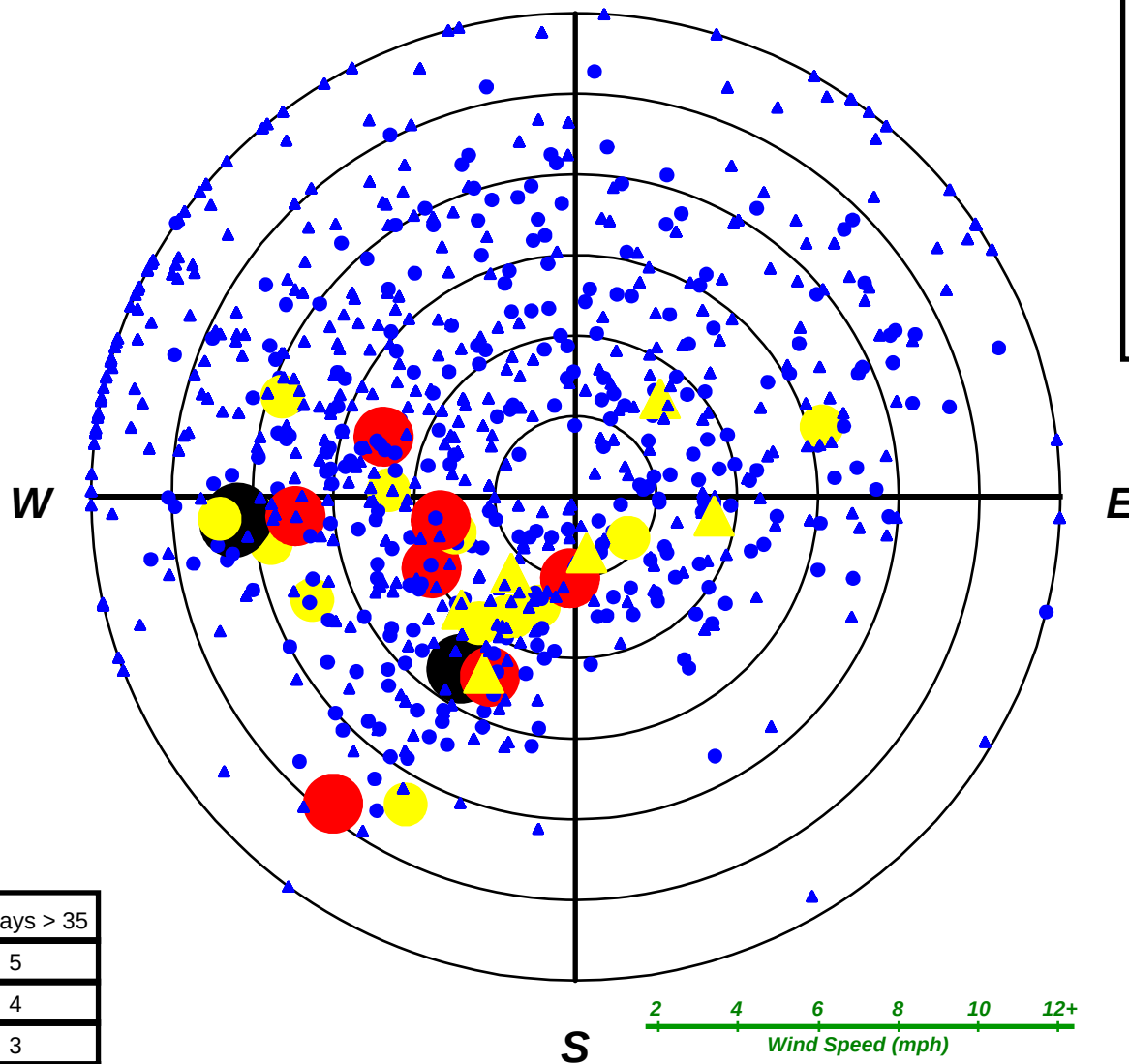
Year	98th %-ile	# days > 35
2005	33.4	.
2006	.	.
2007	.	.
Design Value	33-inc-a	

No exceedances

Meteorological data from 9.4 miles away
PHILADELPHIA INTERNATIONAL AP (ID=13739)

Philadelphia-Wilmington, PA-NJ-DE [Philadelphia County, PA]
Pollution Rose, 2005-2007

Site 421010024



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

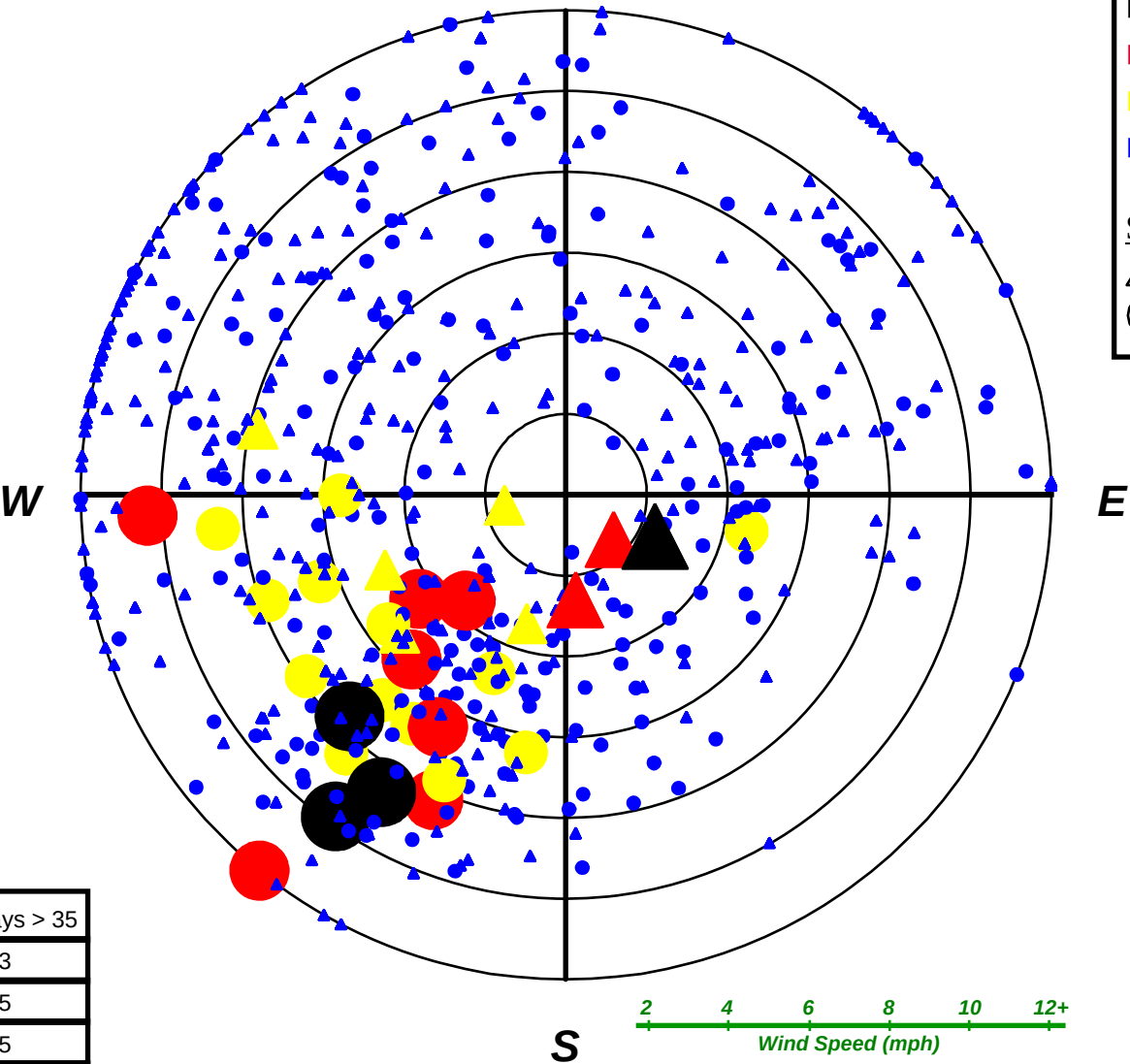
Year	98th %-ile	# days > 35
2005	35.8	5
2006	34.7	4
2007	33.5	3
Design Value	35-inc-a	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 0.5 miles away
PHILADELPHIA_NE_PHILADELPHIA (ID=94732)

Philadelphia-Wilmington, PA-NJ-DE [Philadelphia County, PA]
Pollution Rose, 2005-2007

Site 421010047



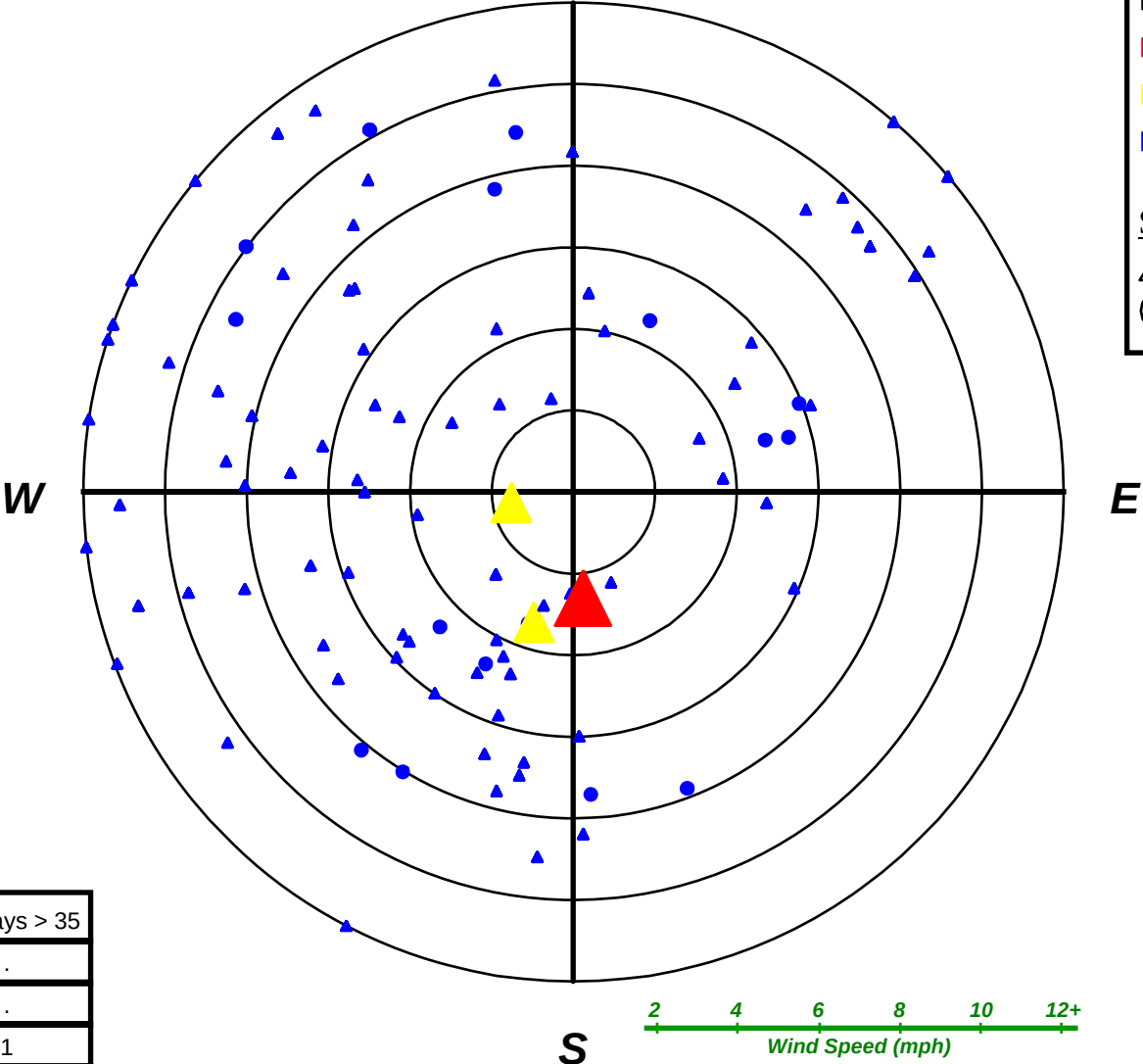
Year	98th %-ile	# days > 35
2005	39.4	3
2006	38.5	5
2007	35.2	5
Design Value	38-NA	

All exceedances plotted

Meteorological data from 6.4 miles away
PHILADELPHIA INTERNATIONAL AP (ID=13739)

Philadelphia-Wilmington, PA-NJ-DE [Philadelphia County, PA]
Pollution Rose, 2005-2007

Site 421010057



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

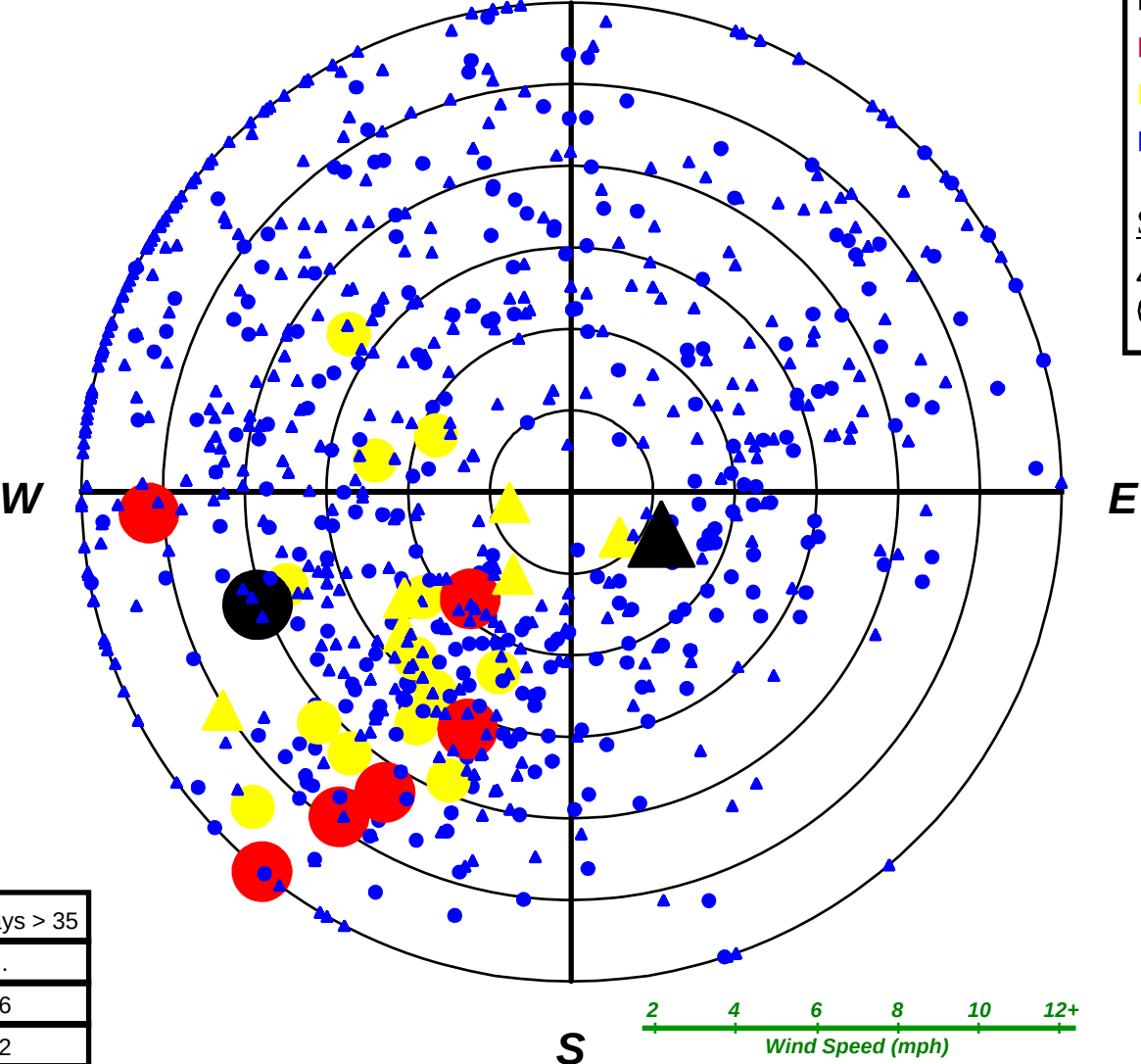
Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	33.1	1
Design Value	33-inc-a	

All exceedances plotted

Meteorological data from 8.0 miles away
PHILADELPHIA INTERNATIONAL AP (ID=13739)

Philadelphia-Wilmington, PA-NJ-DE [Philadelphia County, PA]
Pollution Rose, 2005-2007

Site 421010136



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	31.2	.
2006	37.7	6
2007	31.7	2
Design Value	34-inc-a	

All exceedances plotted

Meteorological data from 4.2 miles away
PHILADELPHIA INTERNATIONAL AP (ID=13739)

Pinehurst, ID [Shoshone County, ID]
Pollution Rose, 2005-2007

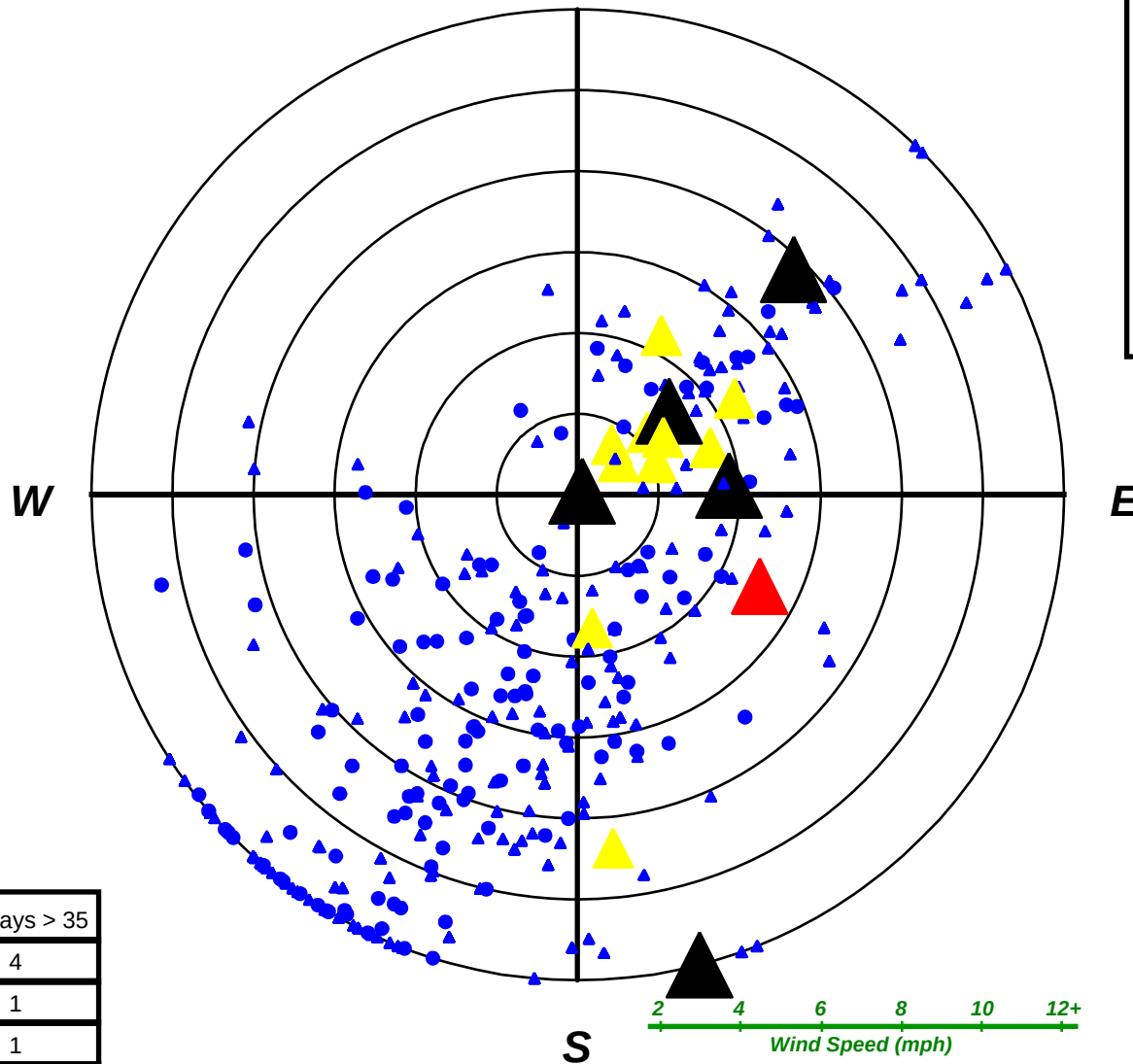
Site 160790017

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	45.7	4
2006	33.5	1
2007	31.9	1
Design Value	37-NA	

All exceedances plotted

Meteorological data from 60.7 miles away
SPOKANE INTERNATIONAL AP (ID=24157)

**Pittsburgh-Beaver Valley, PA [Allegheny County, PA]
Pollution Rose, 2005-2007**

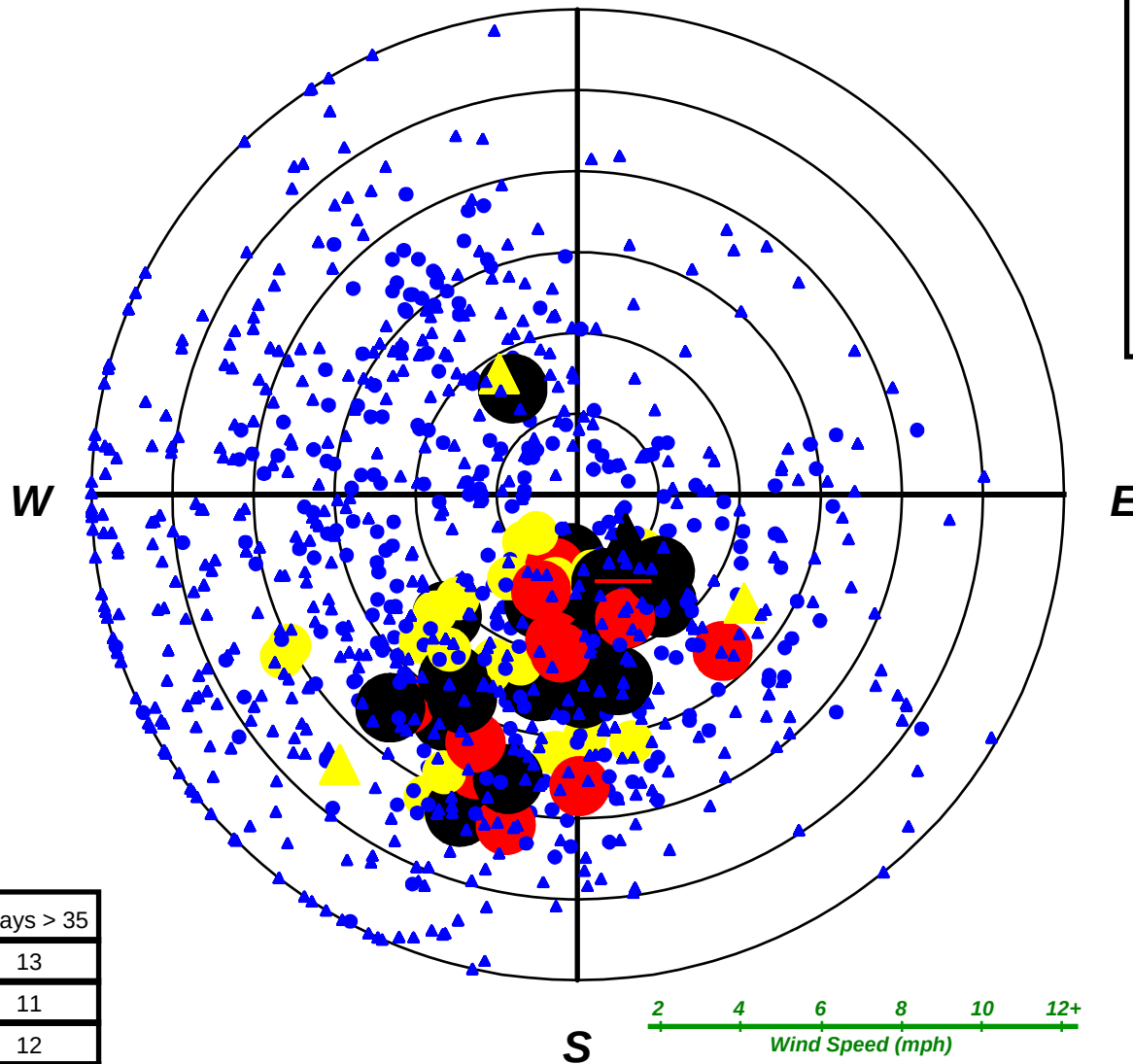
Site 420030008

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	42.5	13
2006	37.6	11
2007	39.8	12
Design Value	40-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 8.3 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)*

**Pittsburgh-Beaver Valley, PA [Allegheny County, PA]
Pollution Rose, 2005-2007**

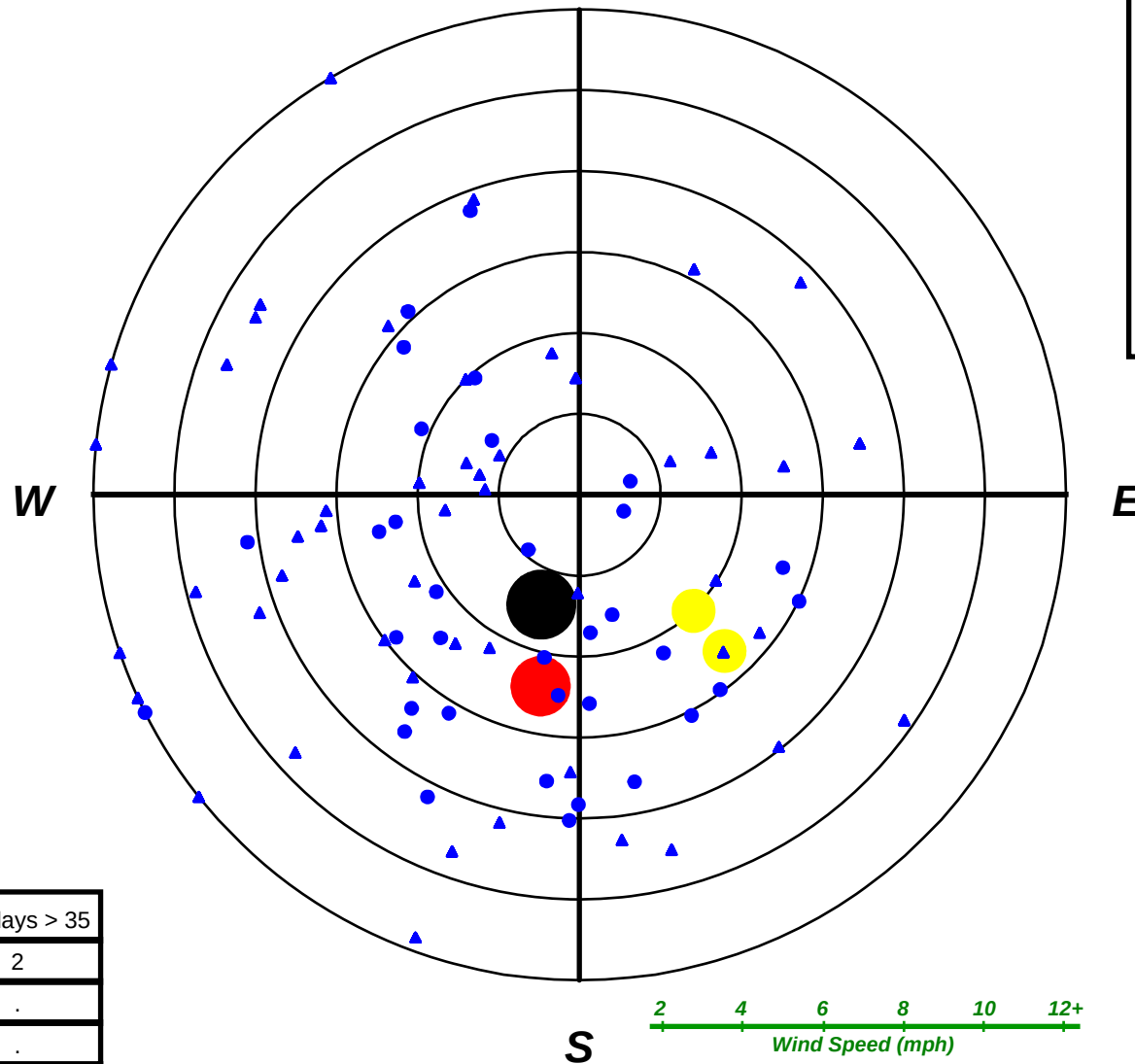
Site 420030021

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



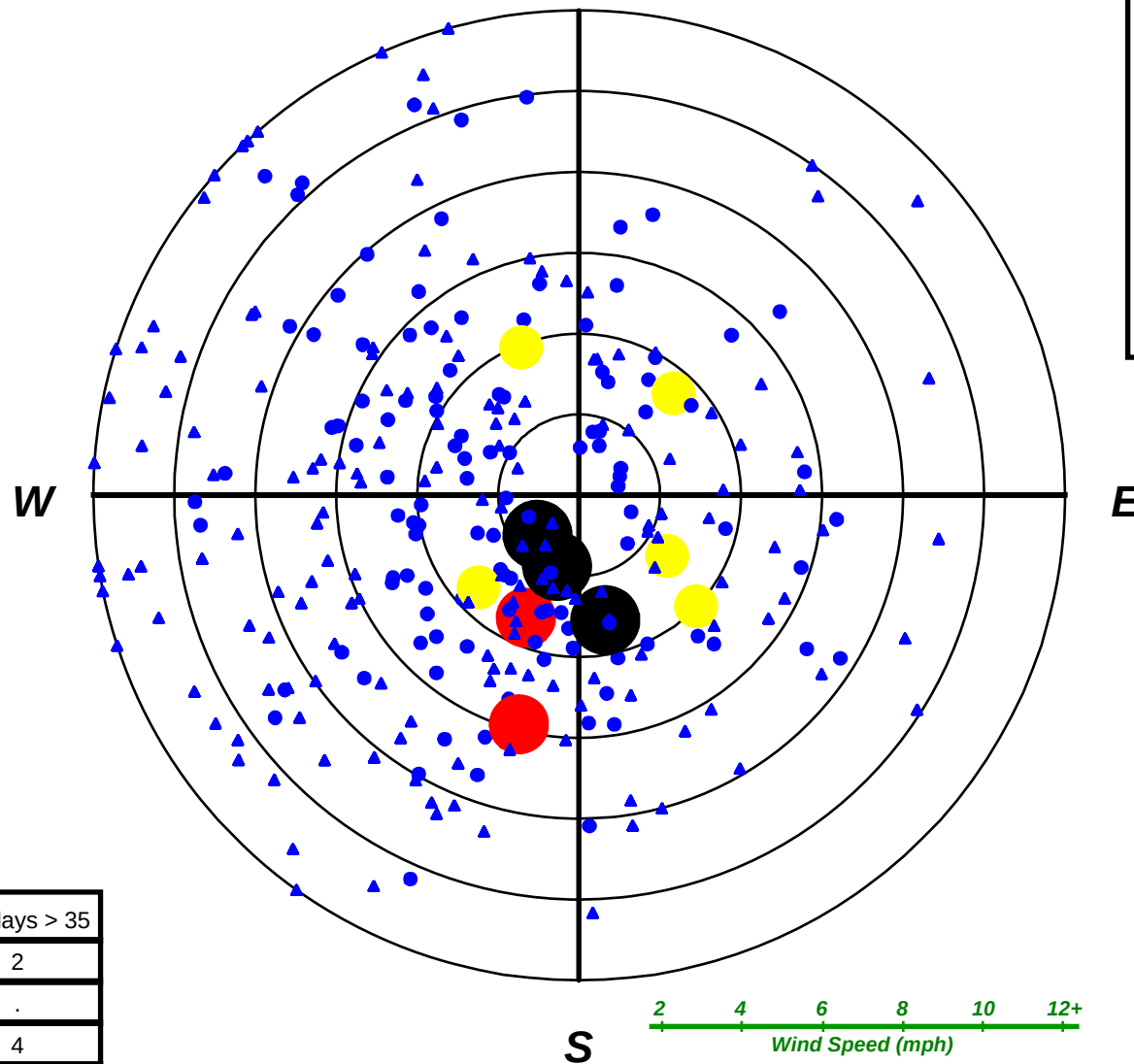
Year	98th %-ile	# days > 35
2005	35.1	2
2006	.	.
2007	.	.
Design Value	35-inc-a	

All exceedances plotted

*Meteorological data from 4.6 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)*

**Pittsburgh-Beaver Valley, PA [Allegheny County, PA]
Pollution Rose, 2005-2007**

Site 420030067



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	34.1	2
2006	28.6	.
2007	42.4	4
Design Value	35-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 8.5 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)*

**Pittsburgh-Beaver Valley, PA [Allegheny County, PA]
Pollution Rose, 2005-2007**

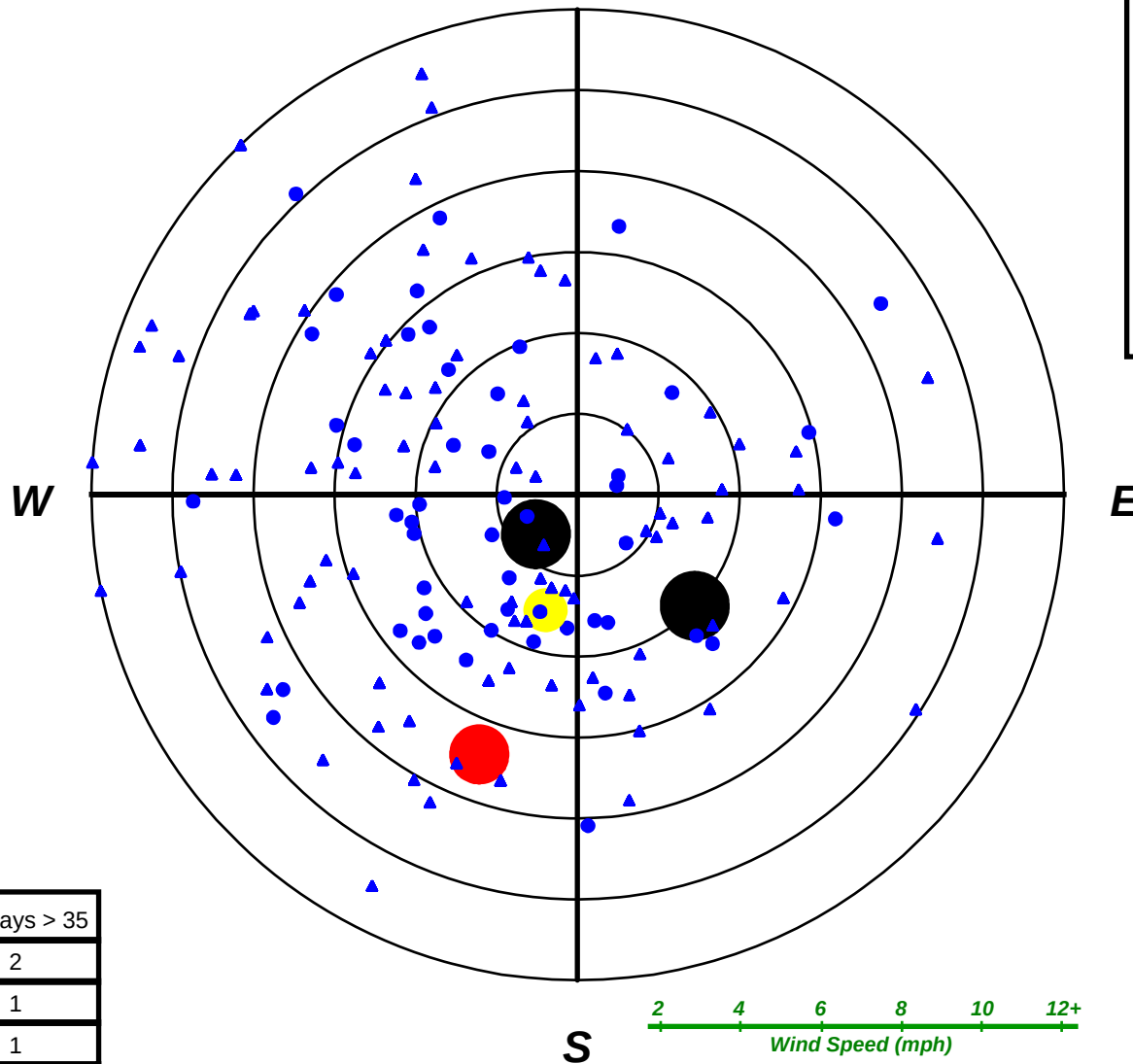
Site 420030093

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	50.7	2
2006	37.2	1
2007	32.9	1
Design Value	40-NA	

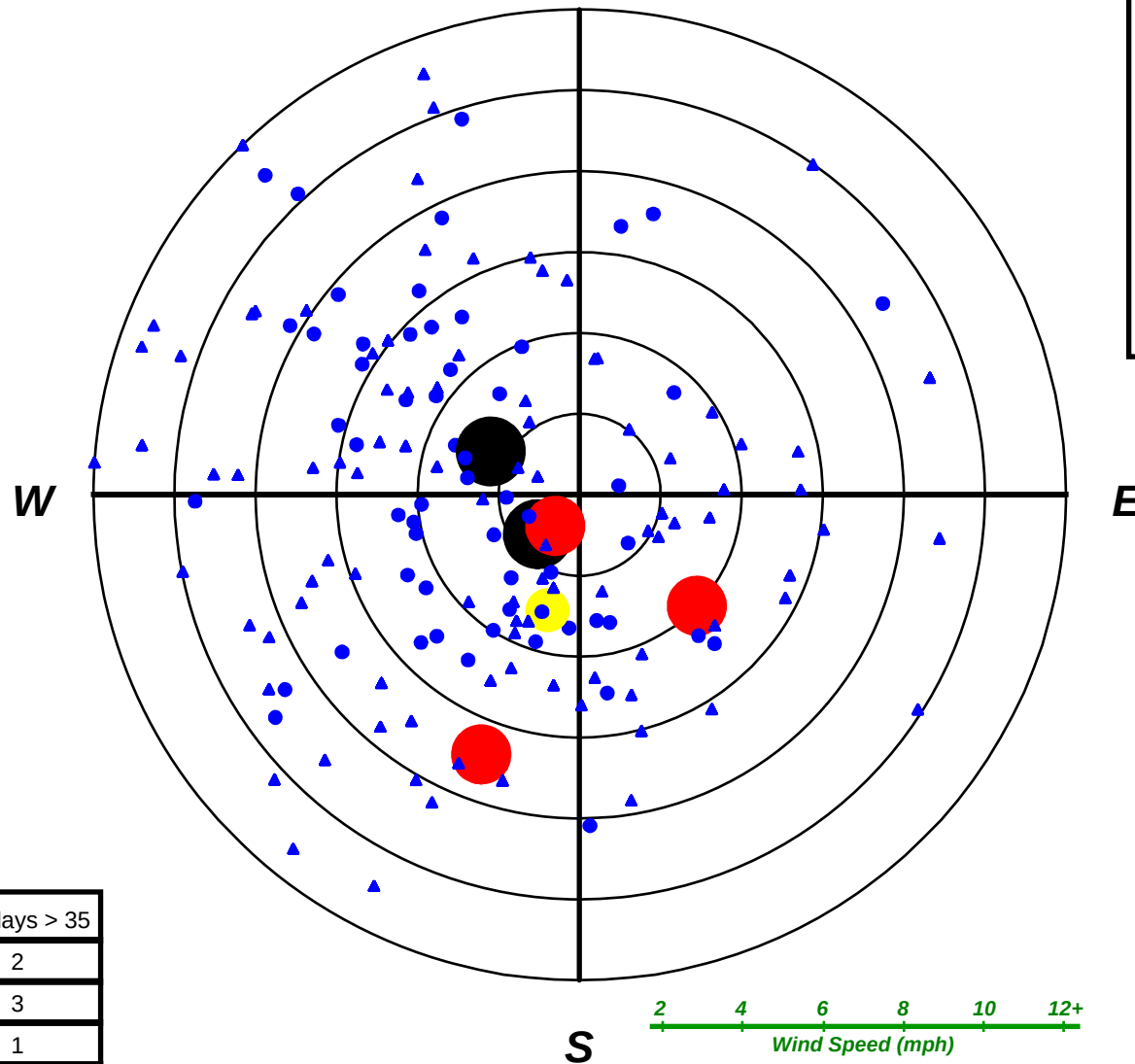
1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 13.4 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)*

**Pittsburgh-Beaver Valley, PA [Allegheny County, PA]
Pollution Rose, 2005-2007**

Site 420030095



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

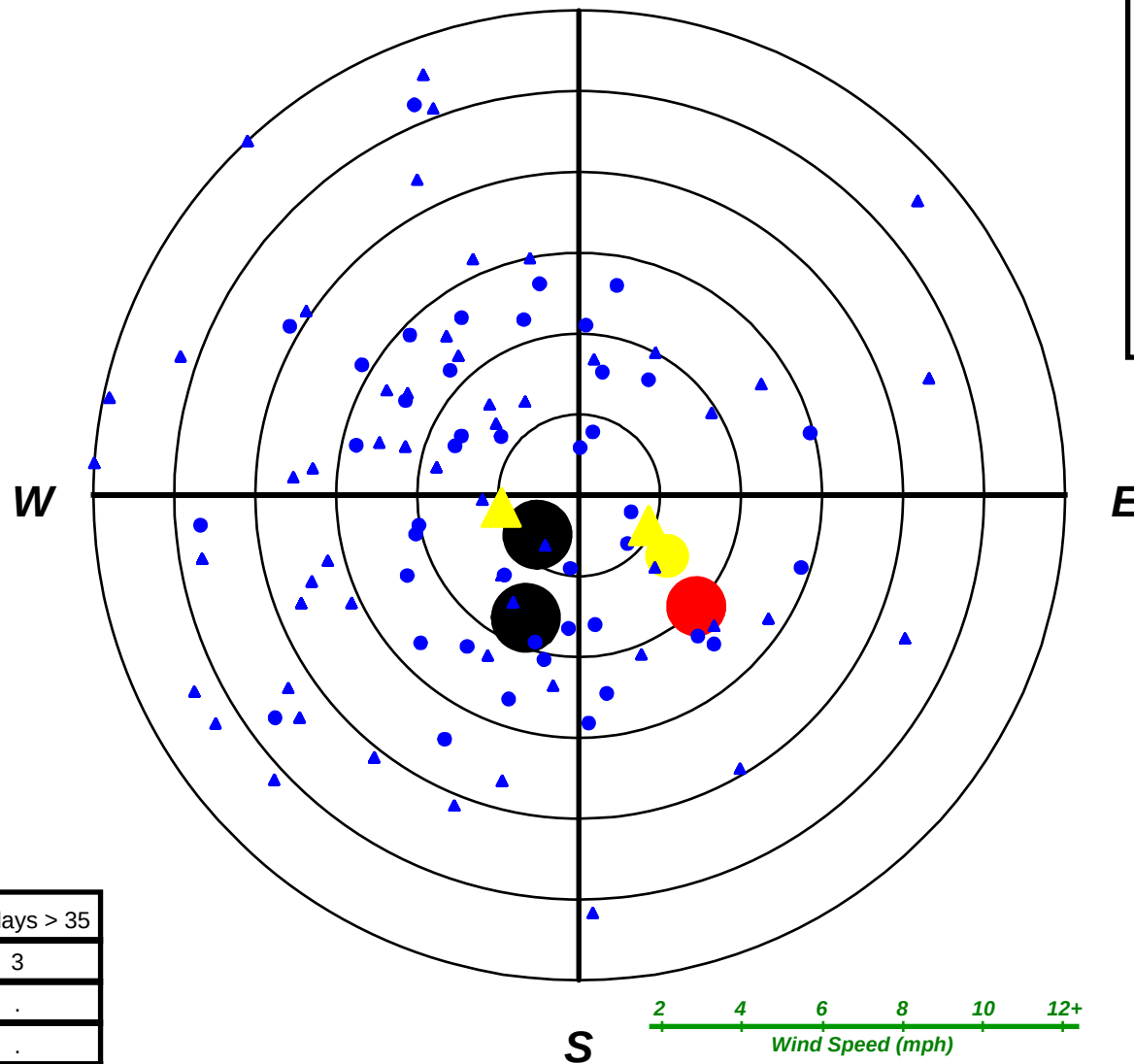
Year	98th %-ile	# days > 35
2005	37.0	2
2006	36.7	3
2007	32.8	1
Design Value	36-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 2.5 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)*

**Pittsburgh-Beaver Valley, PA [Allegheny County, PA]
Pollution Rose, 2005-2007**

Site 420030116



Year	98th %-ile	# days > 35
2005	39.3	3
2006	.	.
2007	.	.
Design Value	39-inc-na	

All exceedances plotted

*Meteorological data from 8.4 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)*

**Pittsburgh-Beaver Valley, PA [Allegheny County, PA]
Pollution Rose, 2005-2007**

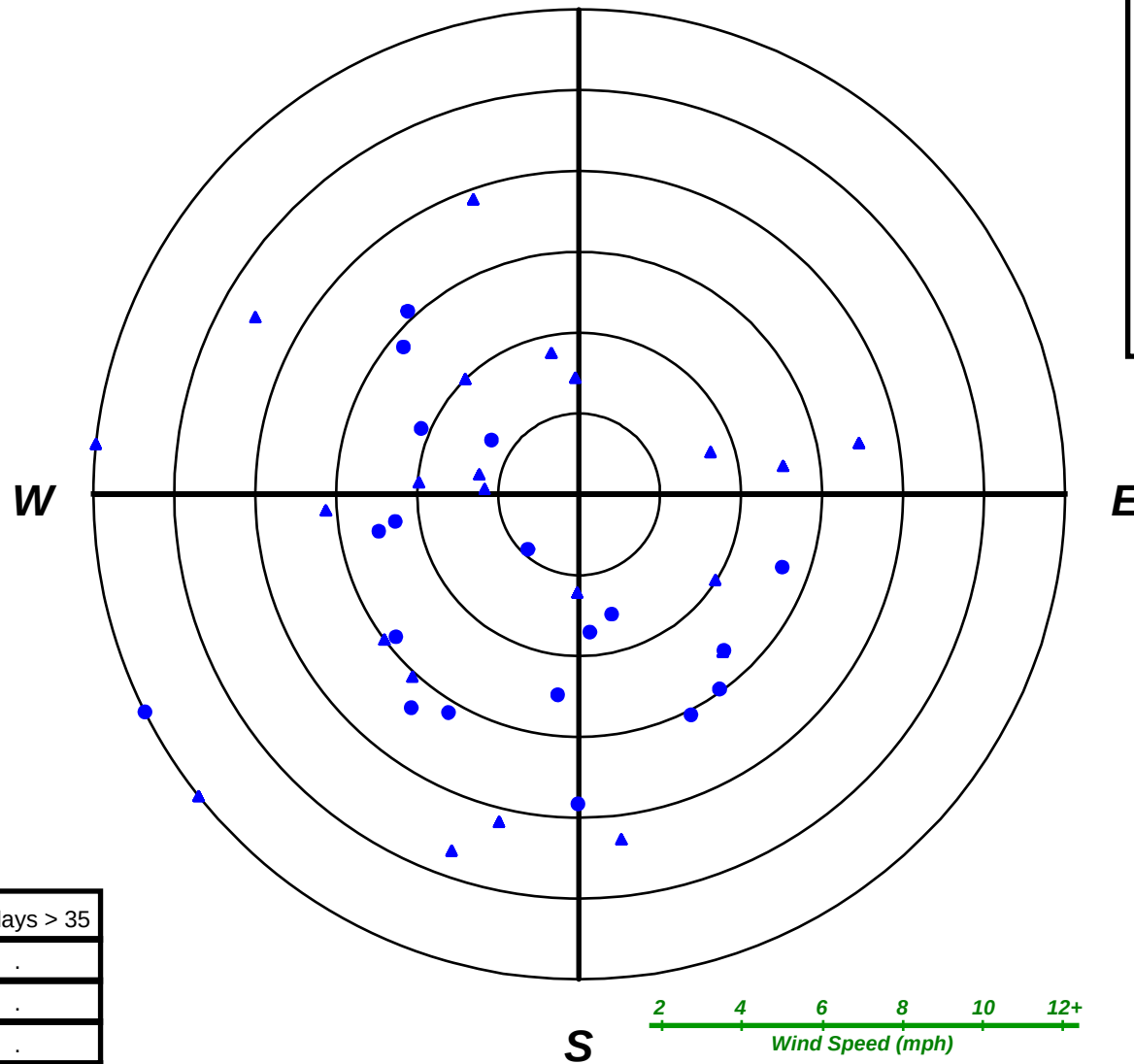
Site 420030133

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	27.7	.
2006	.	.
2007	.	.
Design Value	28-inc-a	

No exceedances



*Meteorological data from 6.4 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)*

**Pittsburgh-Beaver Valley, PA [Allegheny County, PA]
Pollution Rose, 2005-2007**

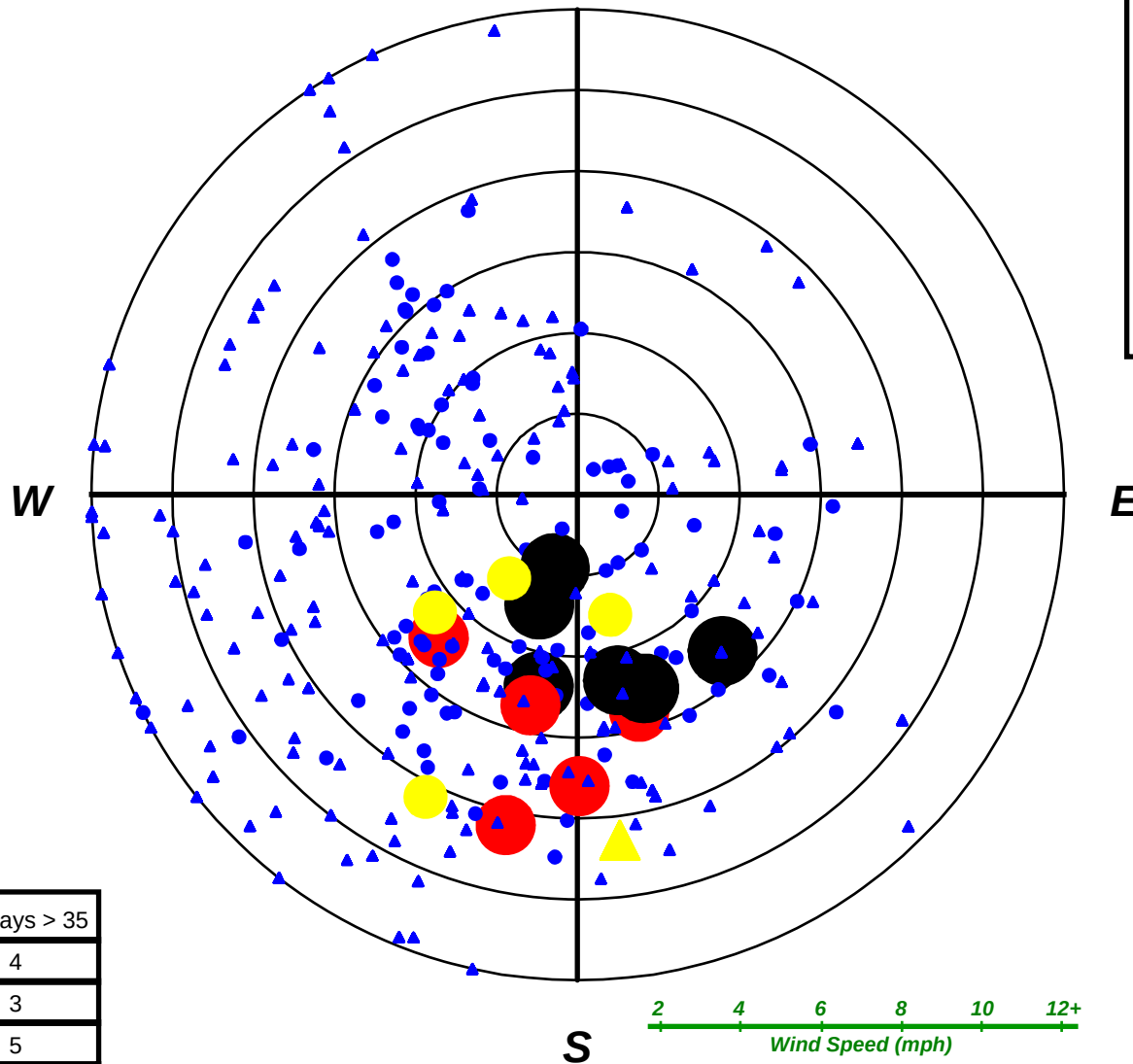
Site 420031008

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	41.3	4
2006	37.8	3
2007	39.9	5
Design Value	40-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 21.1 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)*

**Pittsburgh-Beaver Valley, PA [Allegheny County, PA]
Pollution Rose, 2005-2007**

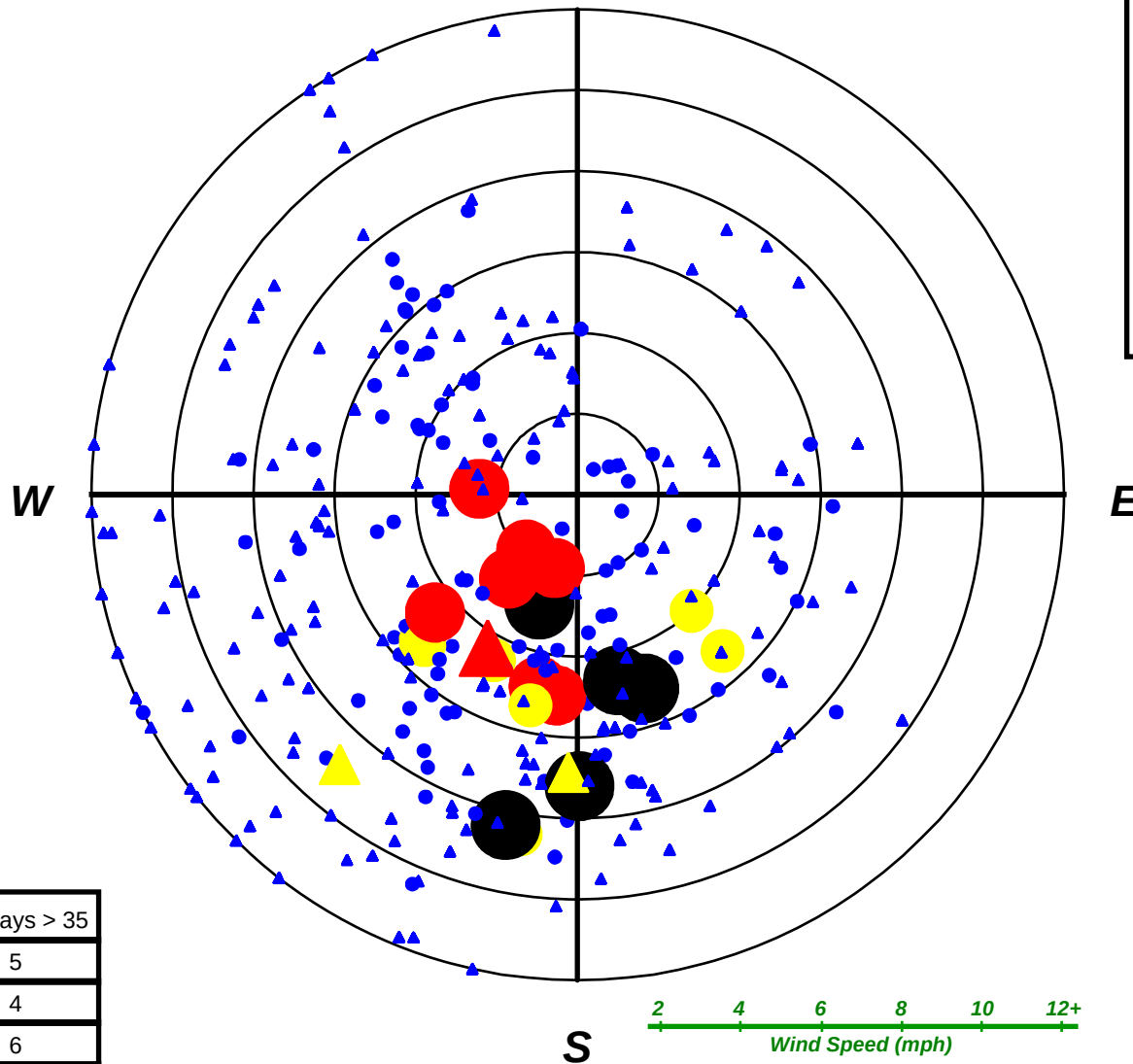
Site 420031301

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	38.6	5
2006	38.1	4
2007	43.7	6
Design Value	40-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 4.7 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)*

**Pittsburgh-Beaver Valley, PA [Allegheny County, PA]
Pollution Rose, 2005-2007**

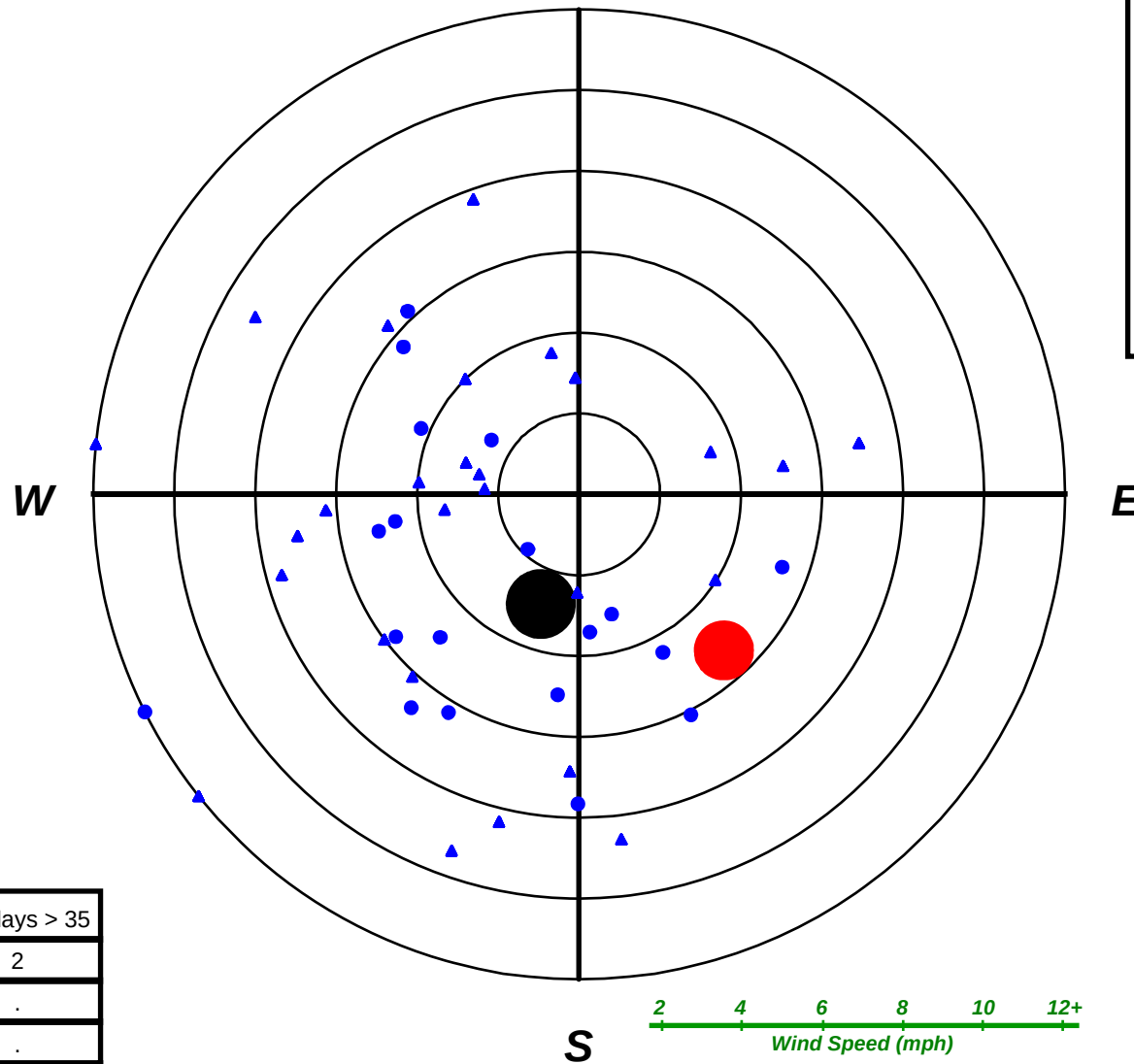
Site 420039002

Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	38.8	2
2006	.	.
2007	.	.
Design Value	39-inc-na	

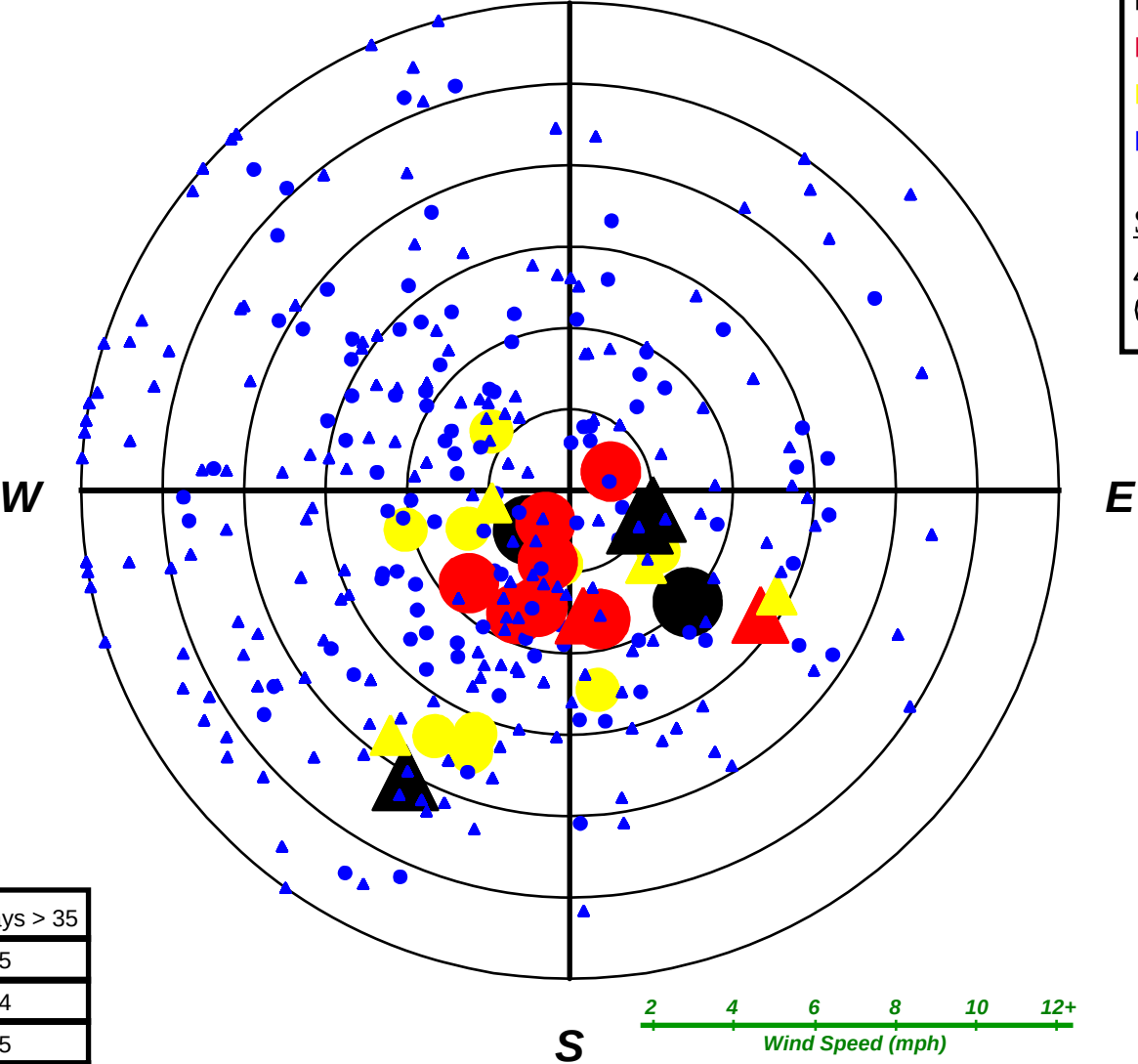
All exceedances plotted

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 15.3 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)*

Pittsburgh-Beaver Valley, PA [Beaver County, PA]
Pollution Rose, 2005-2007

Site 420070014



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	51.8	5
2006	39.0	4
2007	37.6	5
Design Value	43-NA	

All exceedances plotted

Meteorological data from 17.7 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)

**Pittsburgh-Beaver Valley, PA [Washington County, PA]
Pollution Rose, 2005-2007**

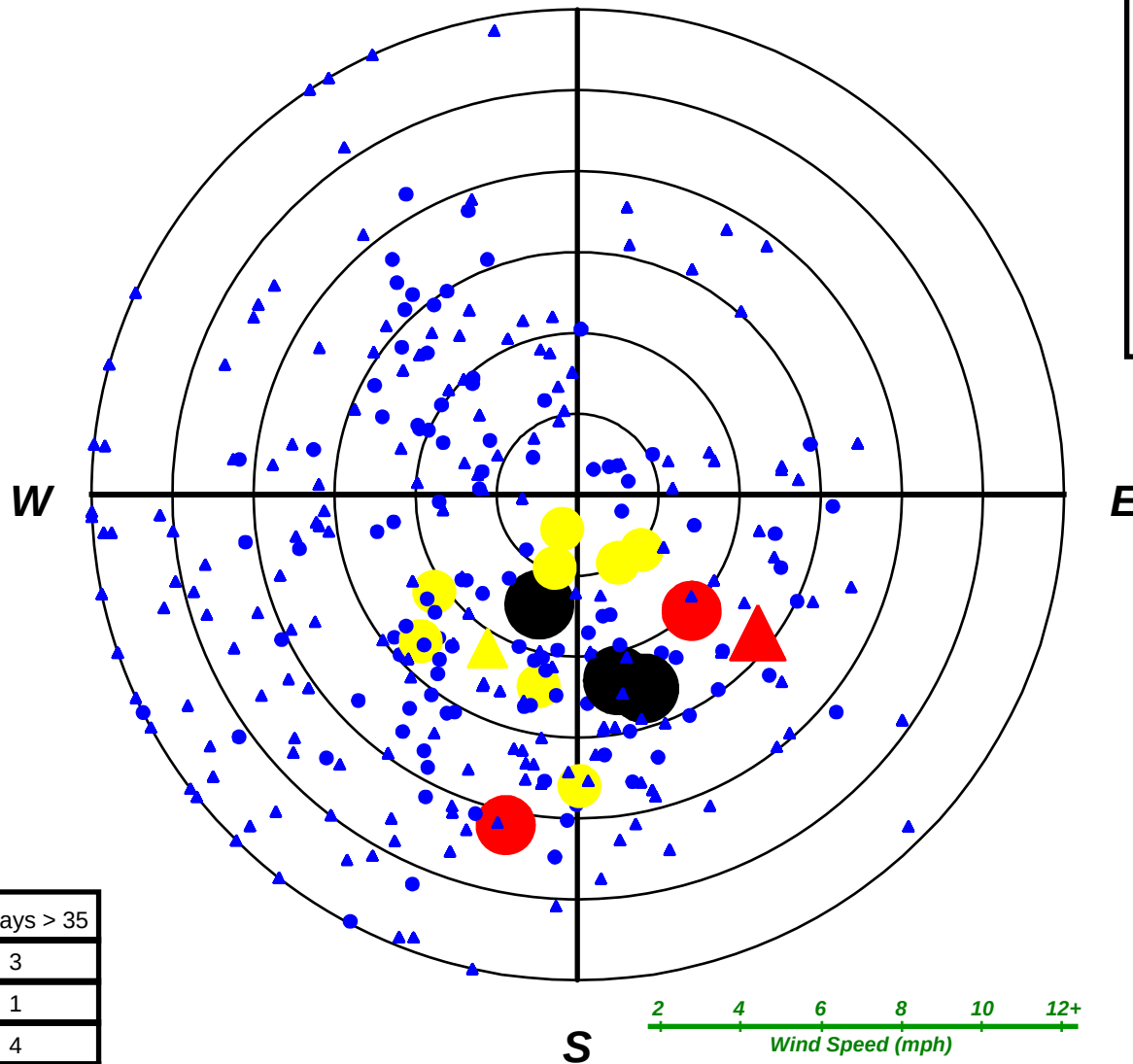
Site 421250005

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



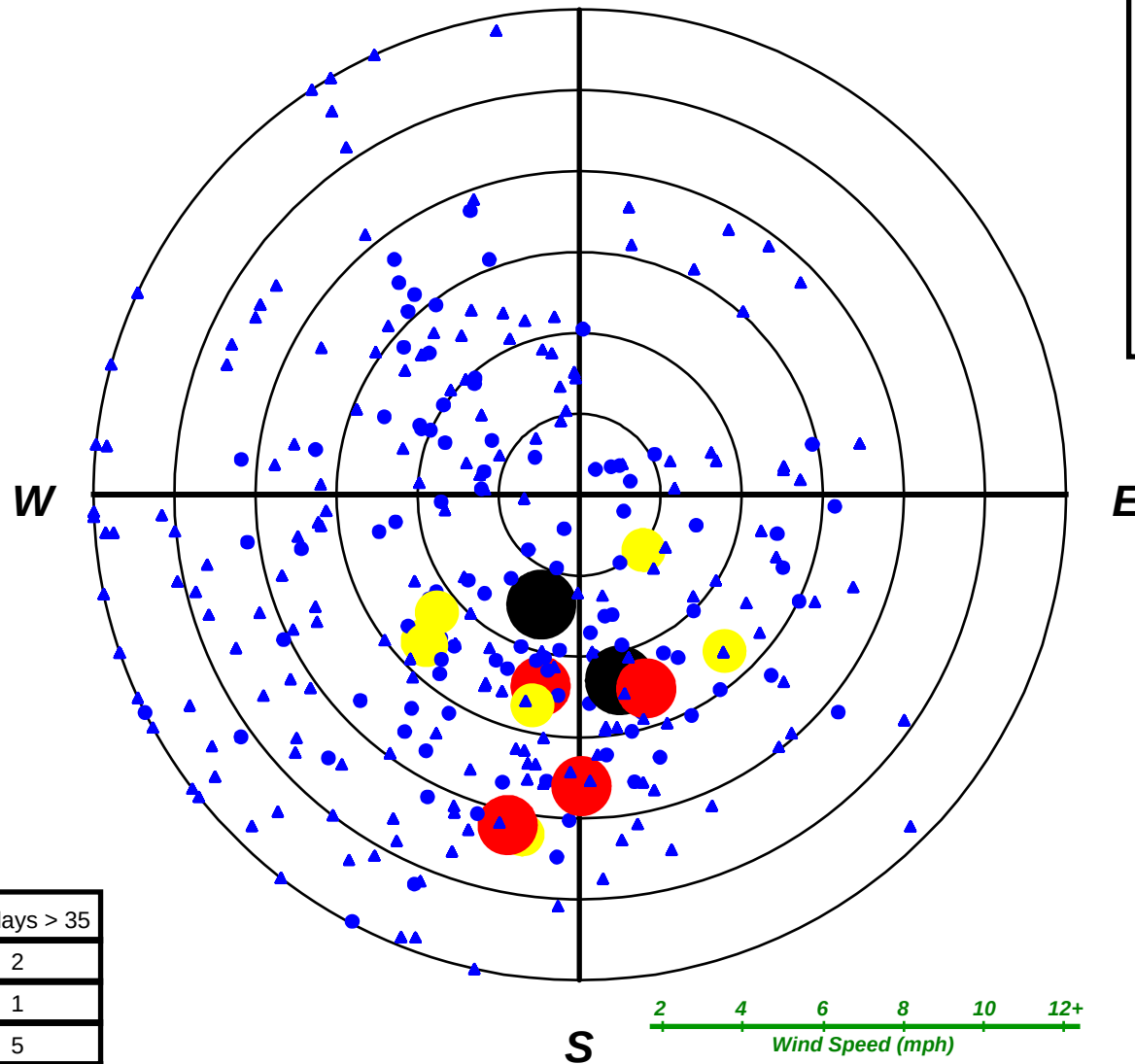
Year	98th %-ile	# days > 35
2005	36.4	3
2006	31.6	1
2007	40.9	4
Design Value	36-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 14.1 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)*

**Pittsburgh-Beaver Valley, PA [Washington County, PA]
Pollution Rose, 2005-2007**

Site 421250200



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	33.1	2
2006	33.0	1
2007	37.9	5
Design Value	35-inc-a	

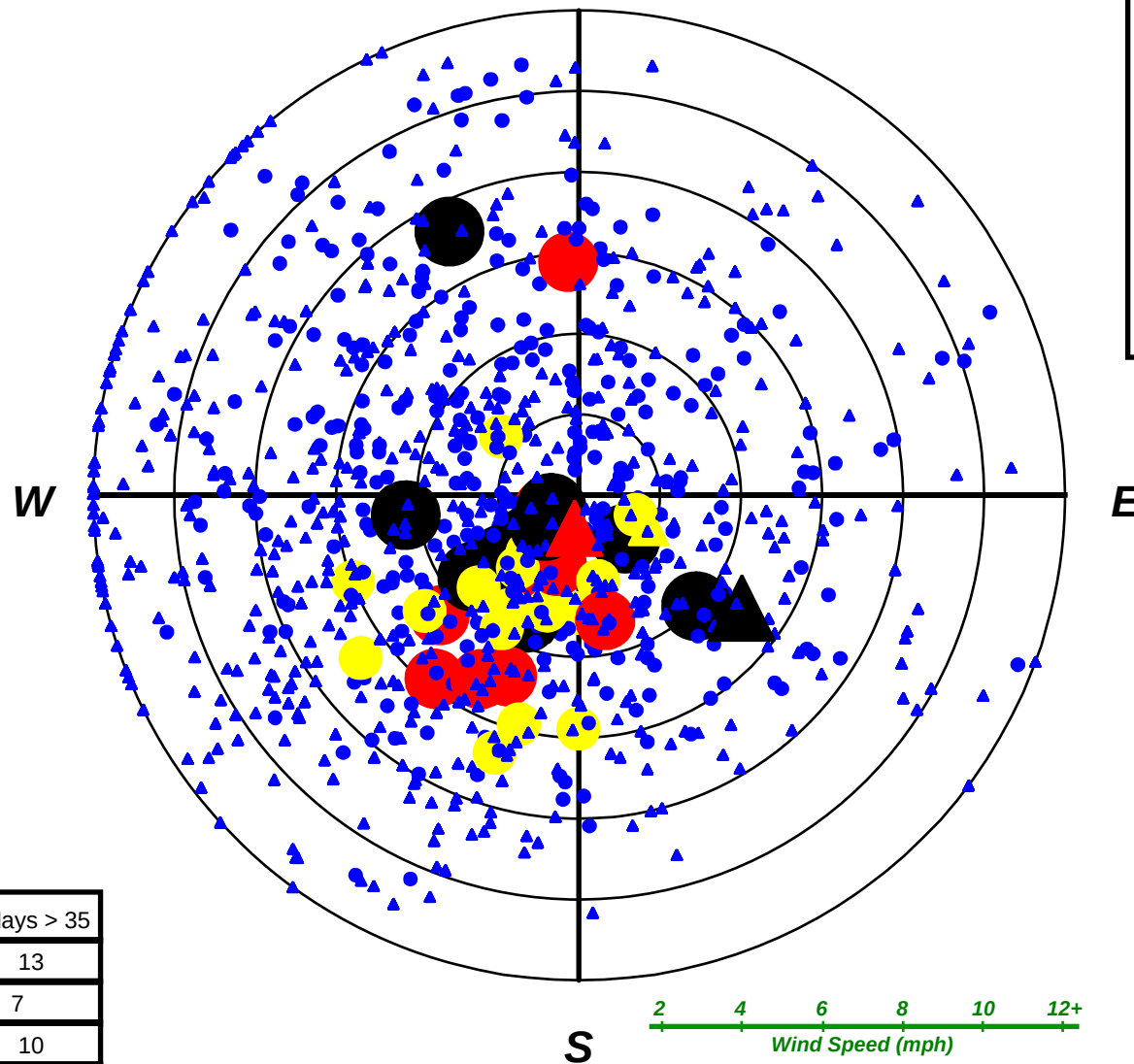
2 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 22.0 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)*

**Pittsburgh-Beaver Valley, PA [Washington County, PA]
Pollution Rose, 2005-2007**

Site 421255001



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	39.2	13
2006	39.3	7
2007	41.2	10
Design Value	40-NA	

4 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 10.6 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)*

Pittsburgh-Beaver Valley, PA [Westmoreland County, PA]
Pollution Rose, 2005-2007

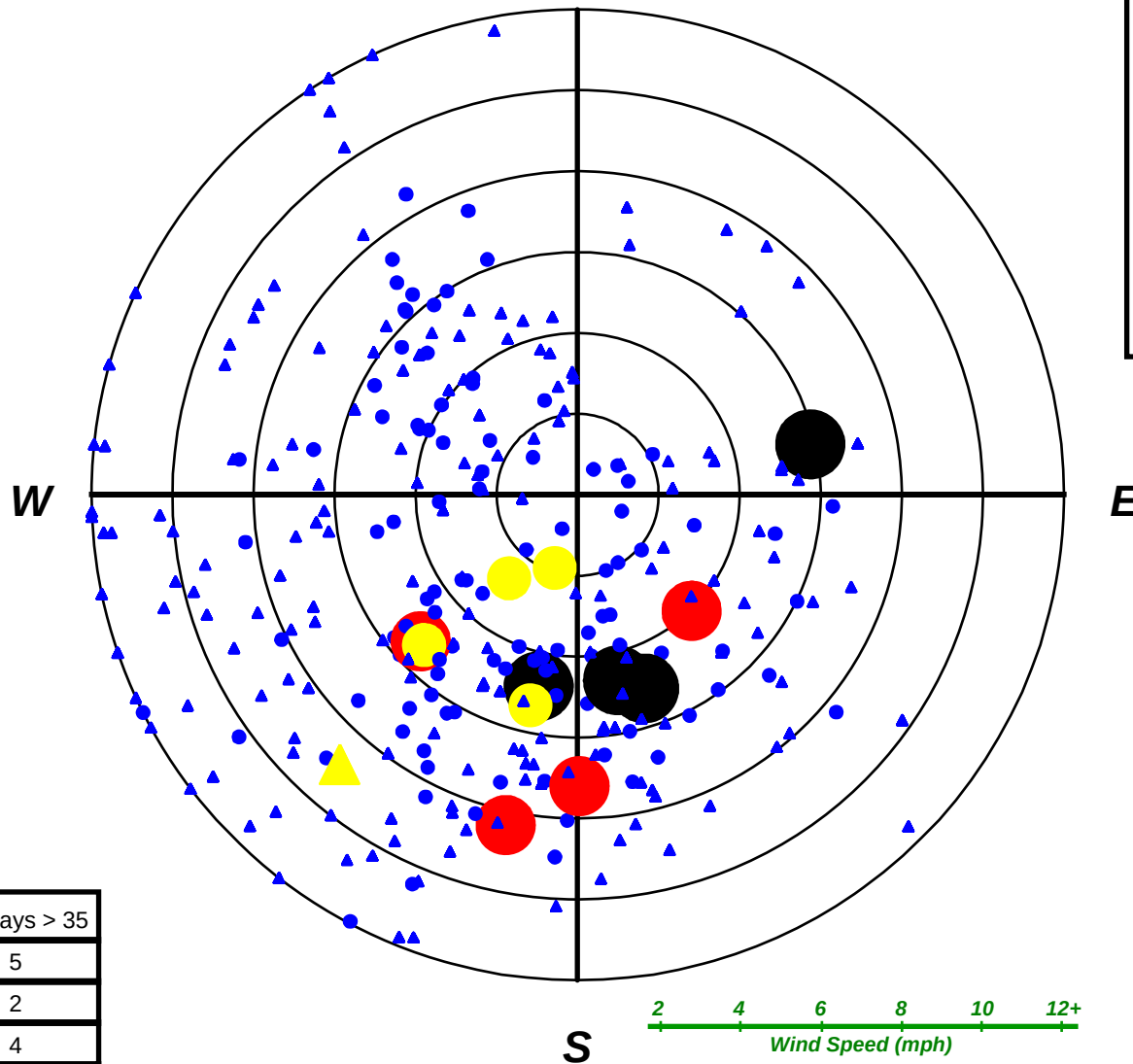
Site 421290008

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	38.7	5
2006	33.5	2
2007	38.2	4
Design Value	37-NA	

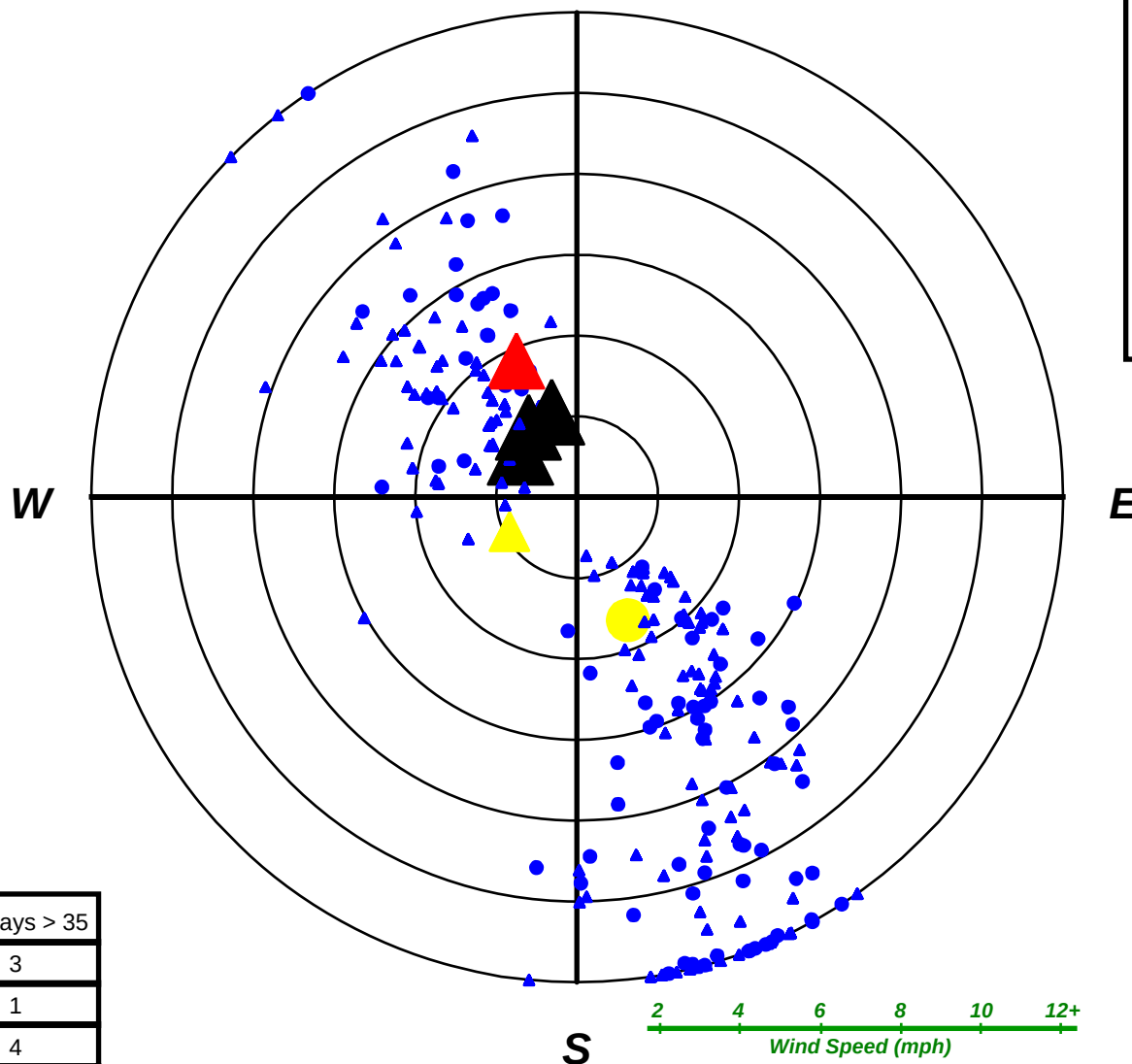
3 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 21.9 miles away
PITTSBURGH_ALLEGHENY_CO_AP (ID=14762)

Provo, UT [Utah County, UT]
Pollution Rose, 2005-2007

Site 490490002



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

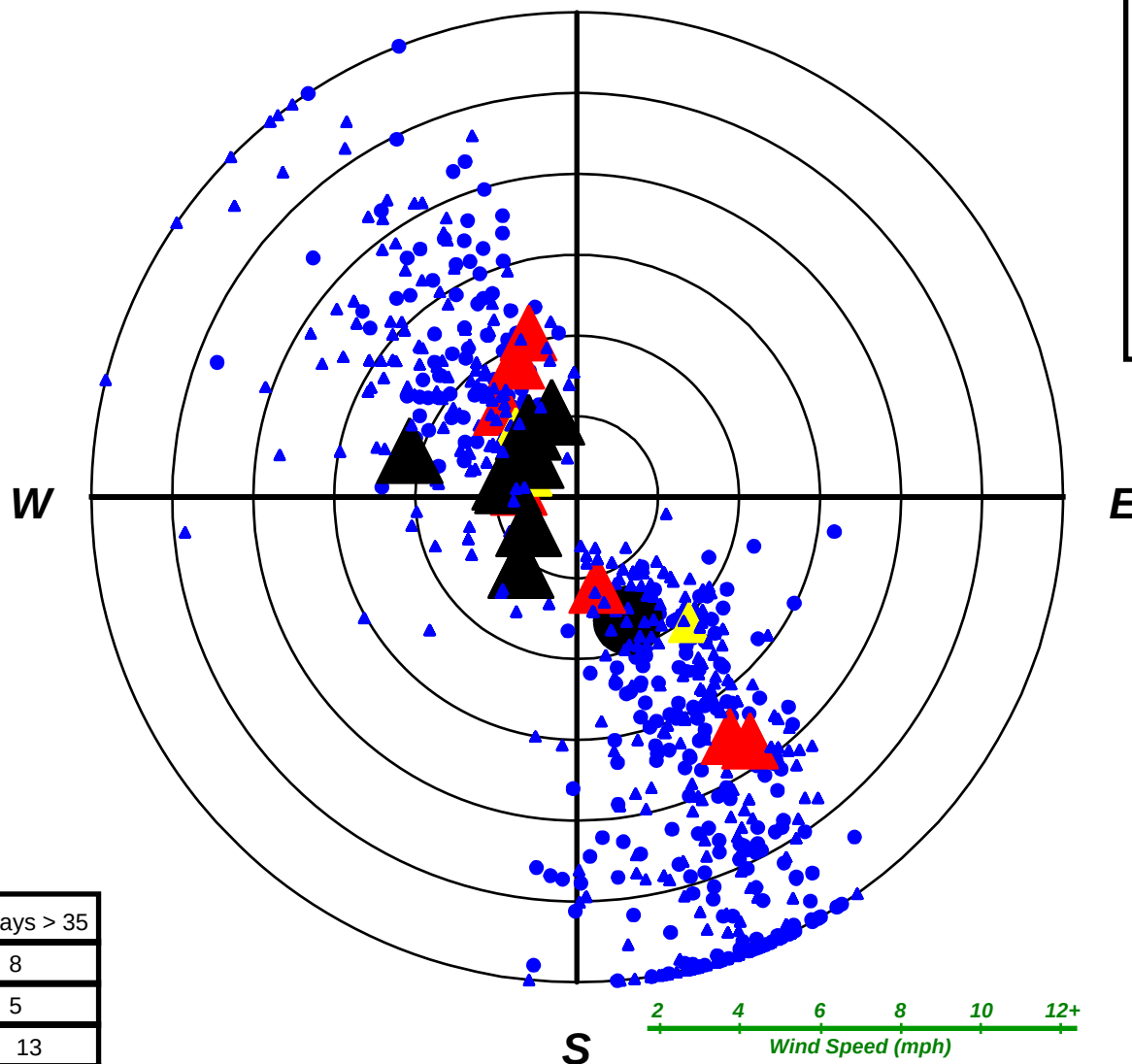
Year	98th %-ile	# days > 35
2005	35.6	3
2006	25.6	1
2007	50.3	4
Design Value	37-NA	

4 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 39.9 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)

Provo, UT [Utah County, UT]
Pollution Rose, 2005-2007

Site 490494001



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

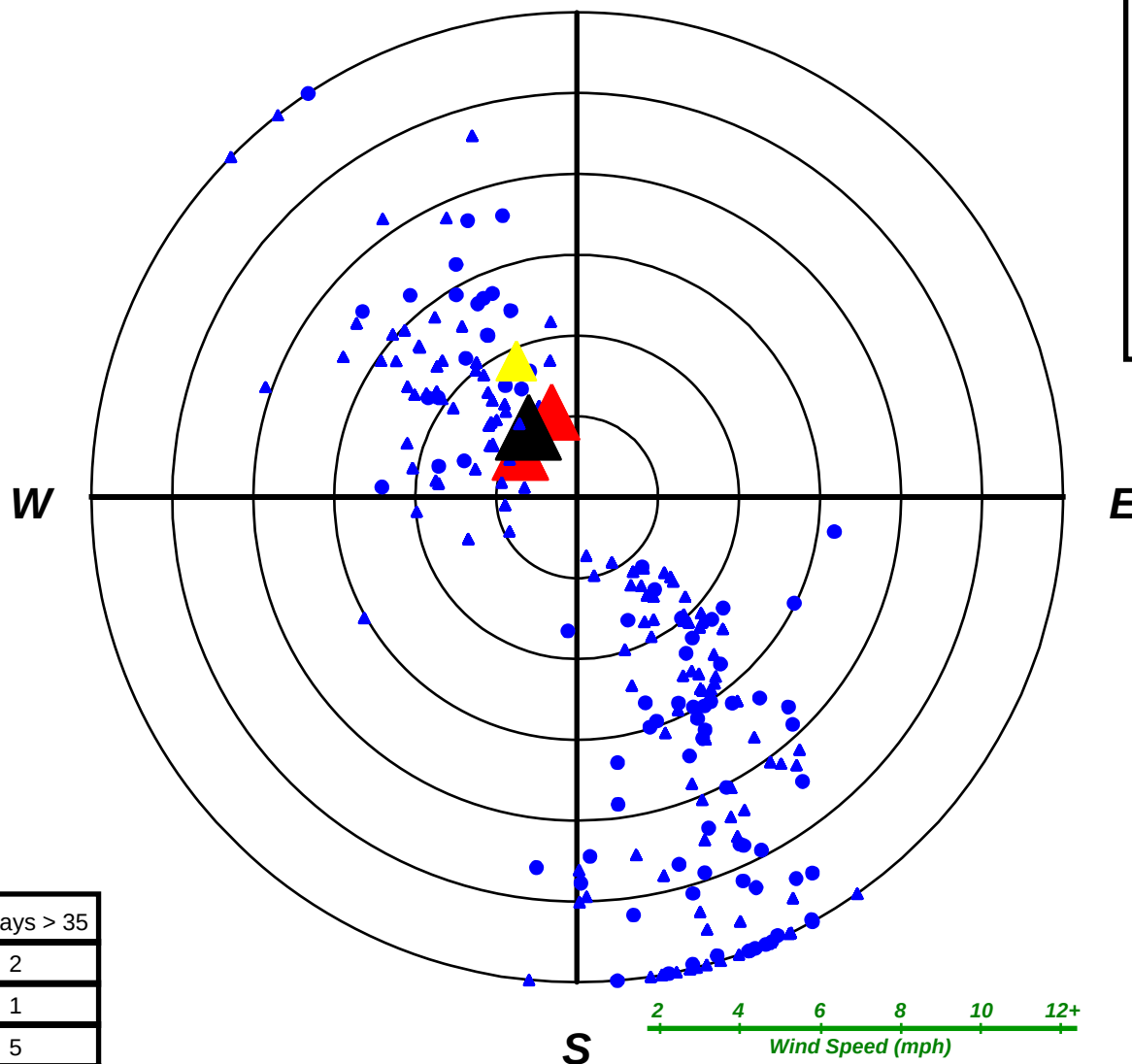
Year	98th %-ile	# days > 35
2005	36.7	8
2006	32.0	5
2007	64.9	13
Design Value	45-NA	

9 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 33.3 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)

Provo, UT [Utah County, UT]
Pollution Rose, 2005-2007

Site 490495008



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

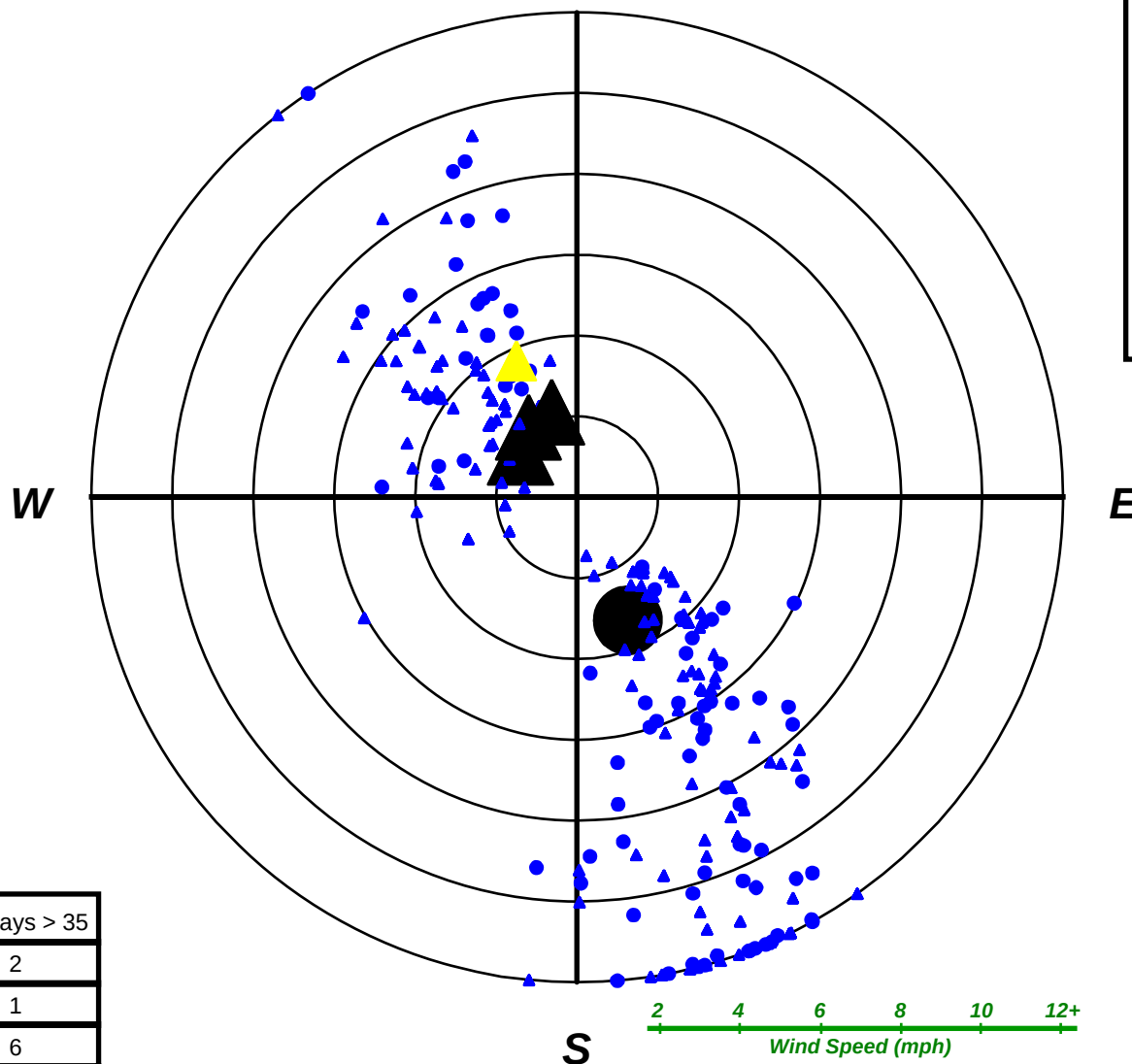
Year	98th %-ile	# days > 35
2005	33.7	2
2006	23.9	1
2007	51.5	5
Design Value	36-NA	

5 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 25.8 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)

Provo, UT [Utah County, UT]
Pollution Rose, 2005-2007

Site 490495010



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

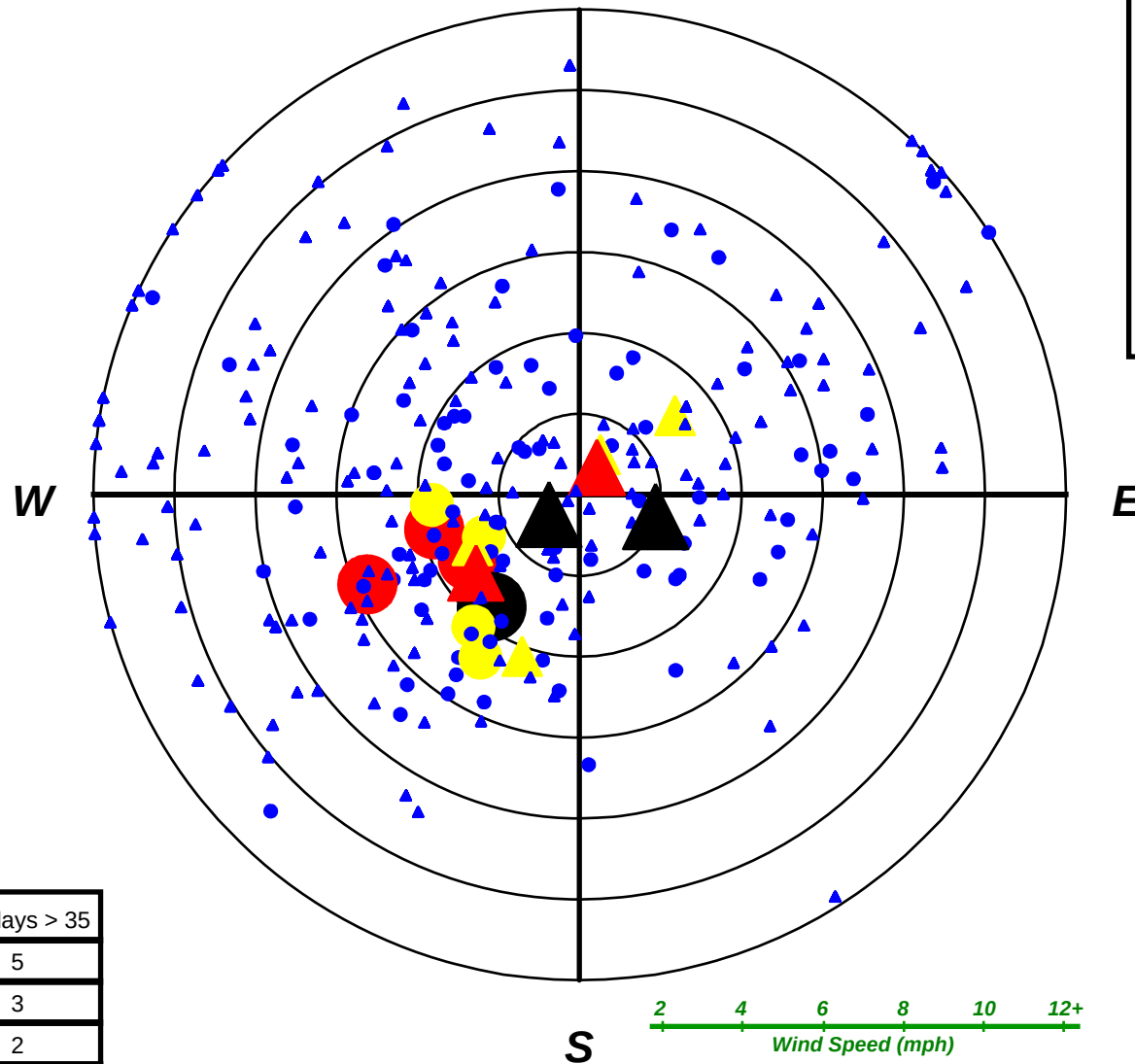
Year	98th %-ile	# days > 35
2005	32.4	2
2006	21.6	1
2007	55.0	6
Design Value	36-NA	

5 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 47.5 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)

Reading, PA [Berks County, PA]
Pollution Rose, 2005-2007

Site 420110010



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	39.4	5
2006	36.9	3
2007	43.6	2
Design Value	40-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 30.7 miles away
ALLENTOWN_LEHIGH_VALLEY_INTL (ID=14737)

Reading, PA [Berks County, PA]
Pollution Rose, 2005-2007

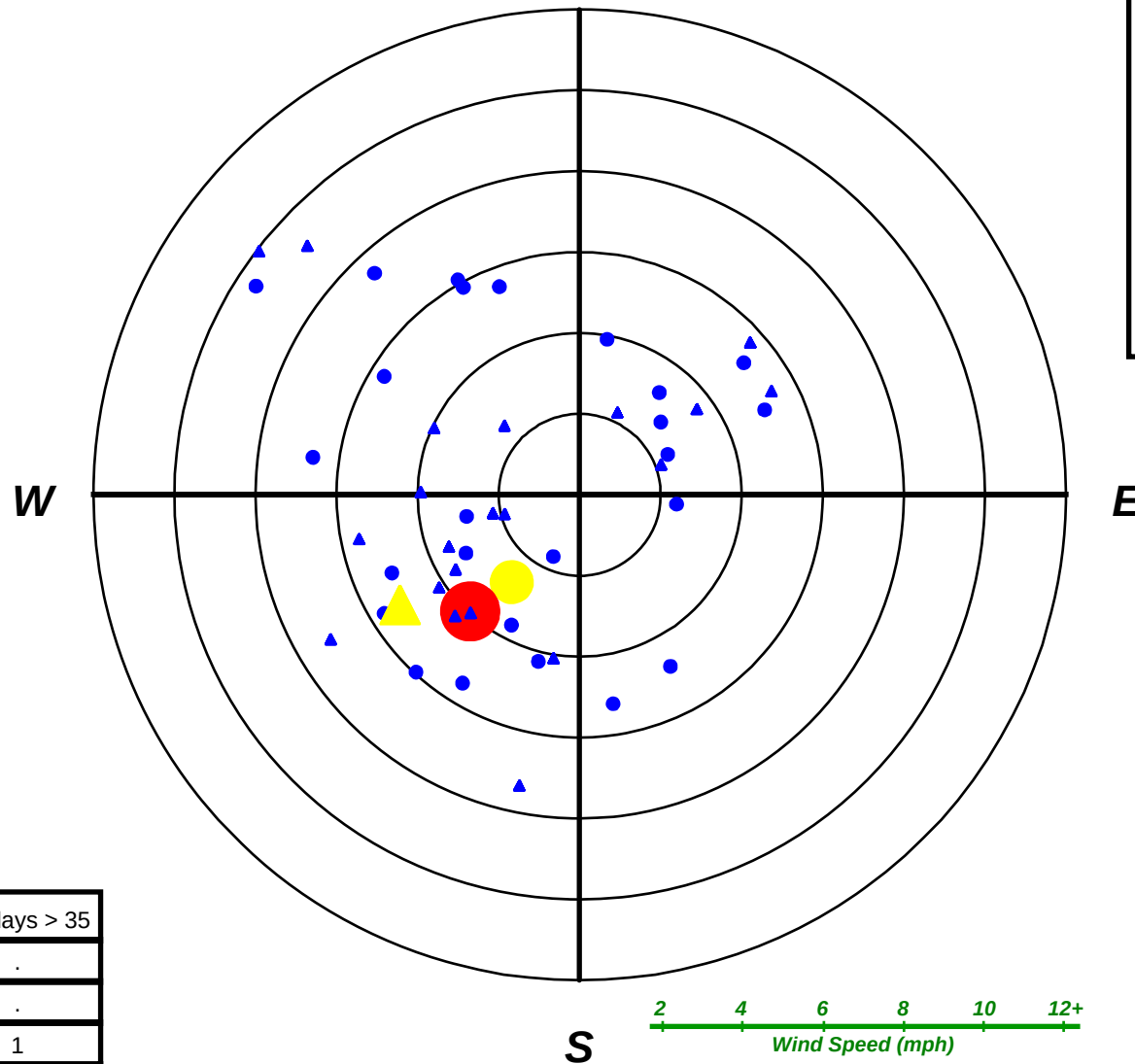
Site 420110011

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



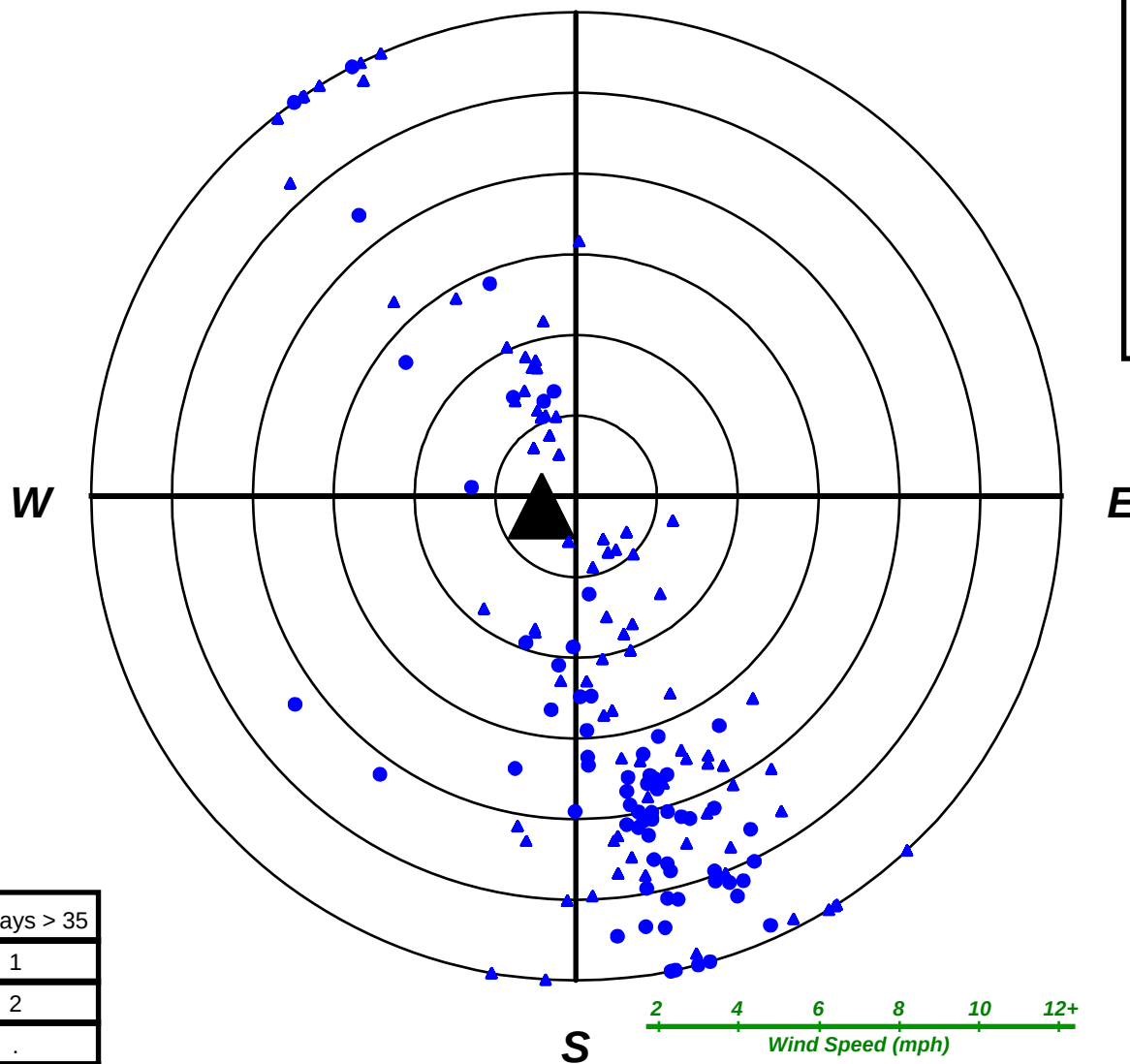
Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	33.9	1
Design Value	34-inc-a	

All exceedances plotted

Meteorological data from 32.9 miles away
ALLENTOWN_LEHIGH_VALLEY_INTL (ID=14737)

**Sacramento, CA [Placer County, CA]
Pollution Rose, 2005-2007**

Site 060610006



Year	98th %-ile	# days > 35
2005	28.0	1
2006	36.0	2
2007	27.0	.
Design Value	30-A	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 17.4 miles away
SACRAMENTO_METROPOLITAN_AP (ID=93225)*

**Sacramento, CA [Sacramento County, CA]
Pollution Rose, 2005-2007**

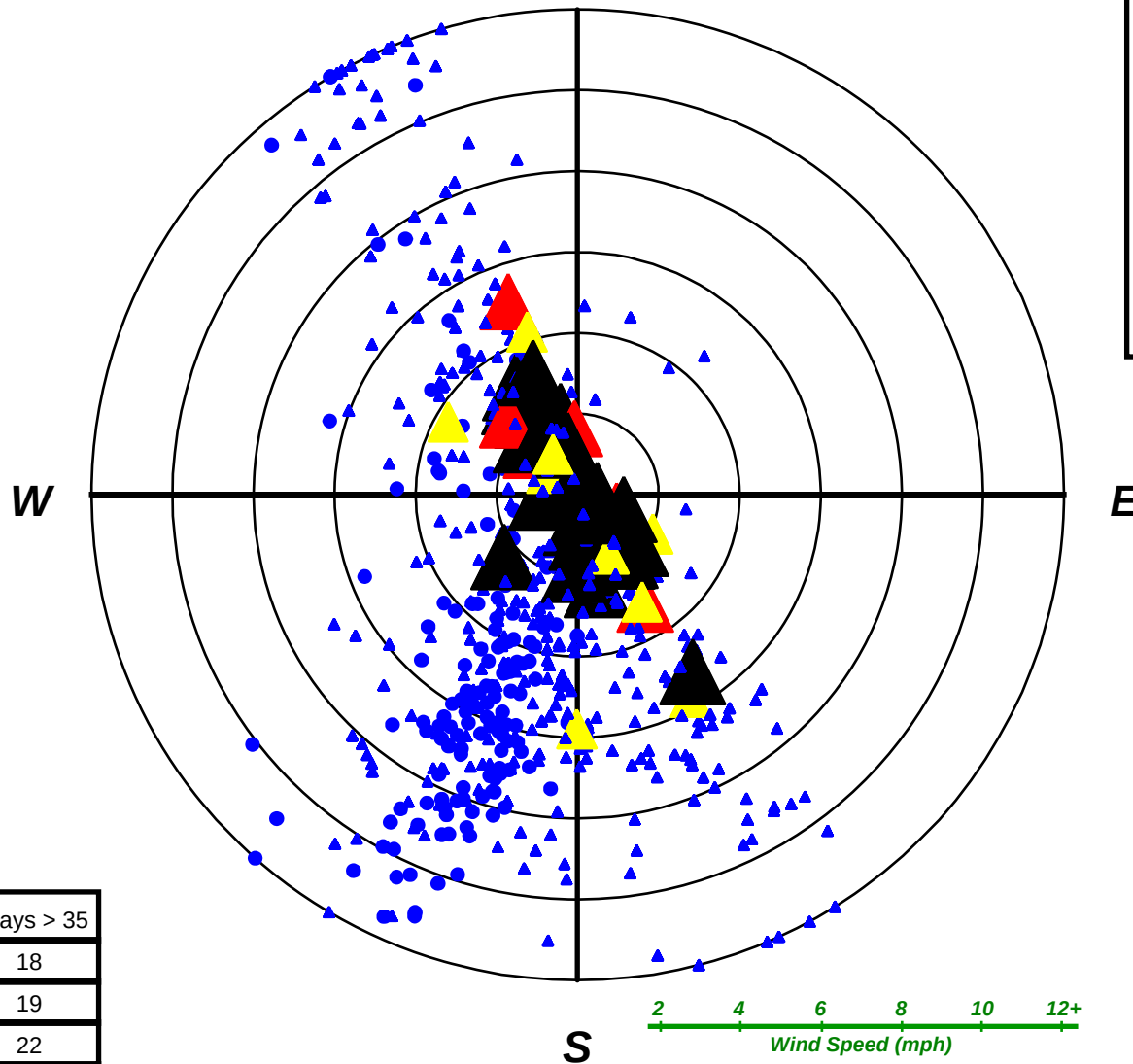
Site 060670006

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



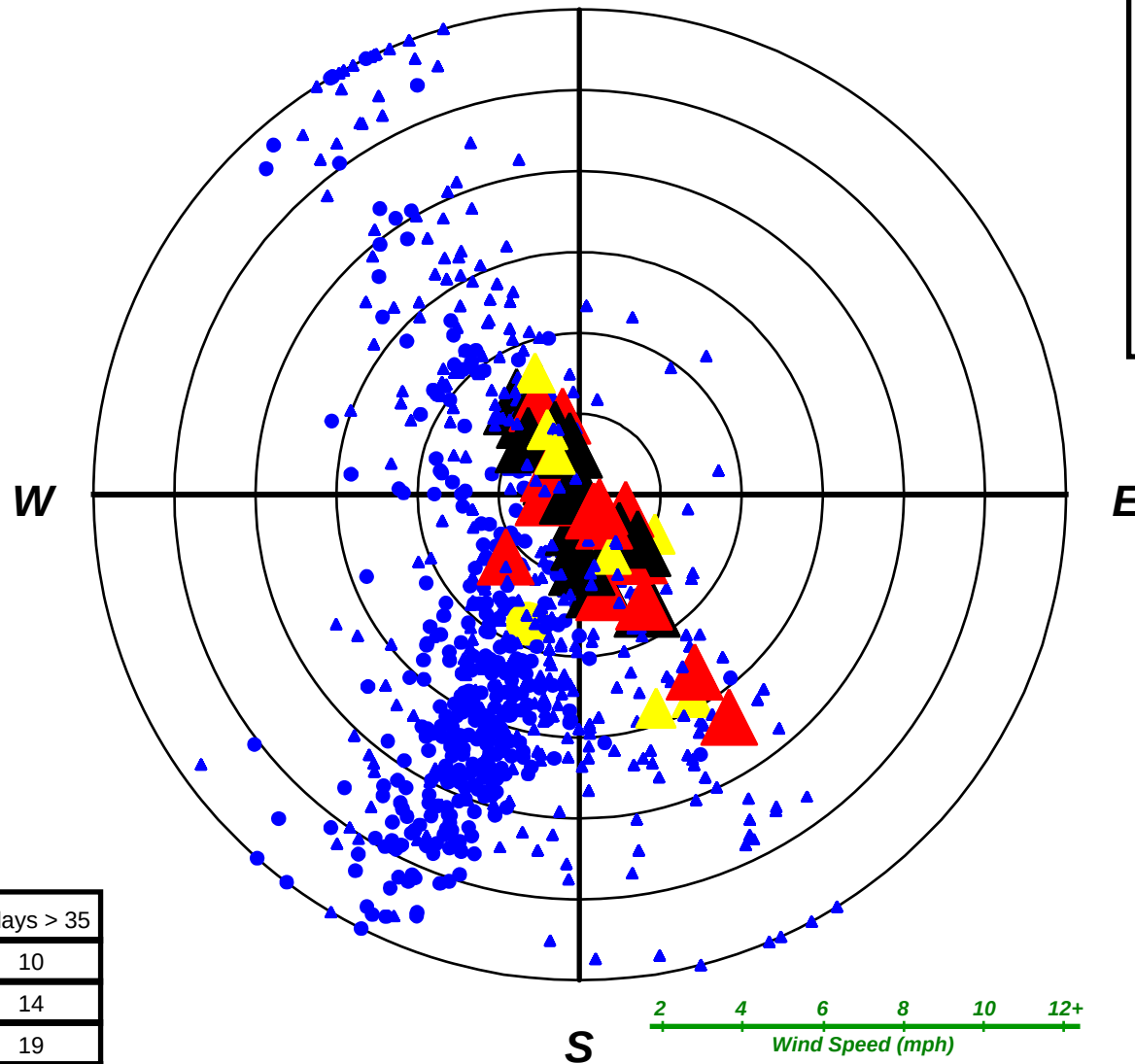
Year	98th %-ile	# days > 35
2005	49.0	18
2006	55.0	19
2007	59.0	22
Design Value	54-NA	

11 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 10.7 miles away
SACRAMENTO_EXECUTIVE_ARPT (ID=23232)*

**Sacramento, CA [Sacramento County, CA]
Pollution Rose, 2005-2007**

Site 060670010



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	47.0	10
2006	39.0	14
2007	43.0	19
Design Value	43-NA	

11 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 4.1 miles away
SACRAMENTO_EXECUTIVE_ARPT (ID=23232)*

**Sacramento, CA [Sacramento County, CA]
Pollution Rose, 2005-2007**

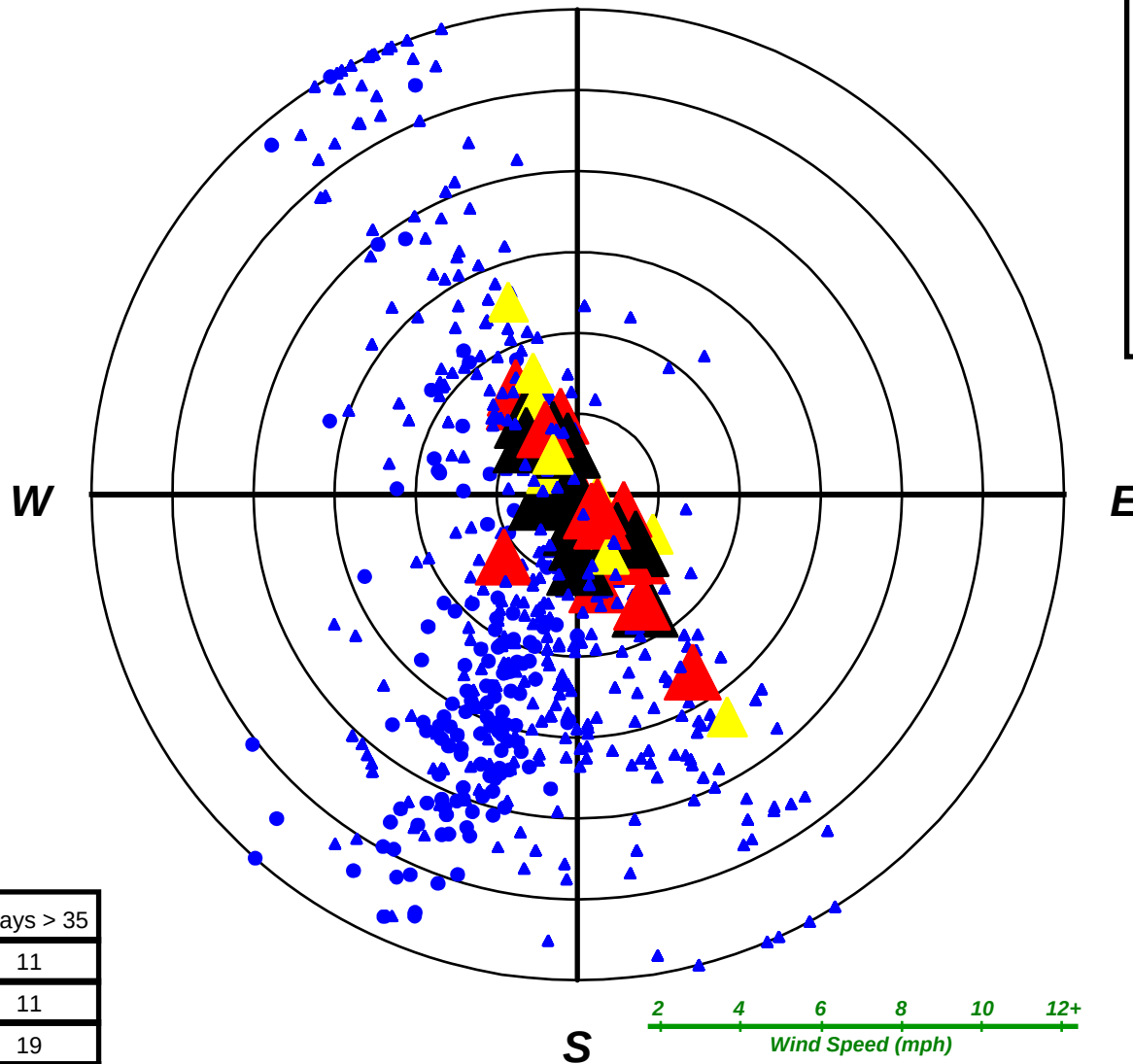
Site 060674001

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	42.0	11
2006	39.0	11
2007	46.0	19
Design Value	42-NA	

9 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 4.5 miles away
SACRAMENTO_EXECUTIVE_ARPT (ID=23232)*

Sacramento, CA [Yolo County, CA]
Pollution Rose, 2005-2007

Site 061131003

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

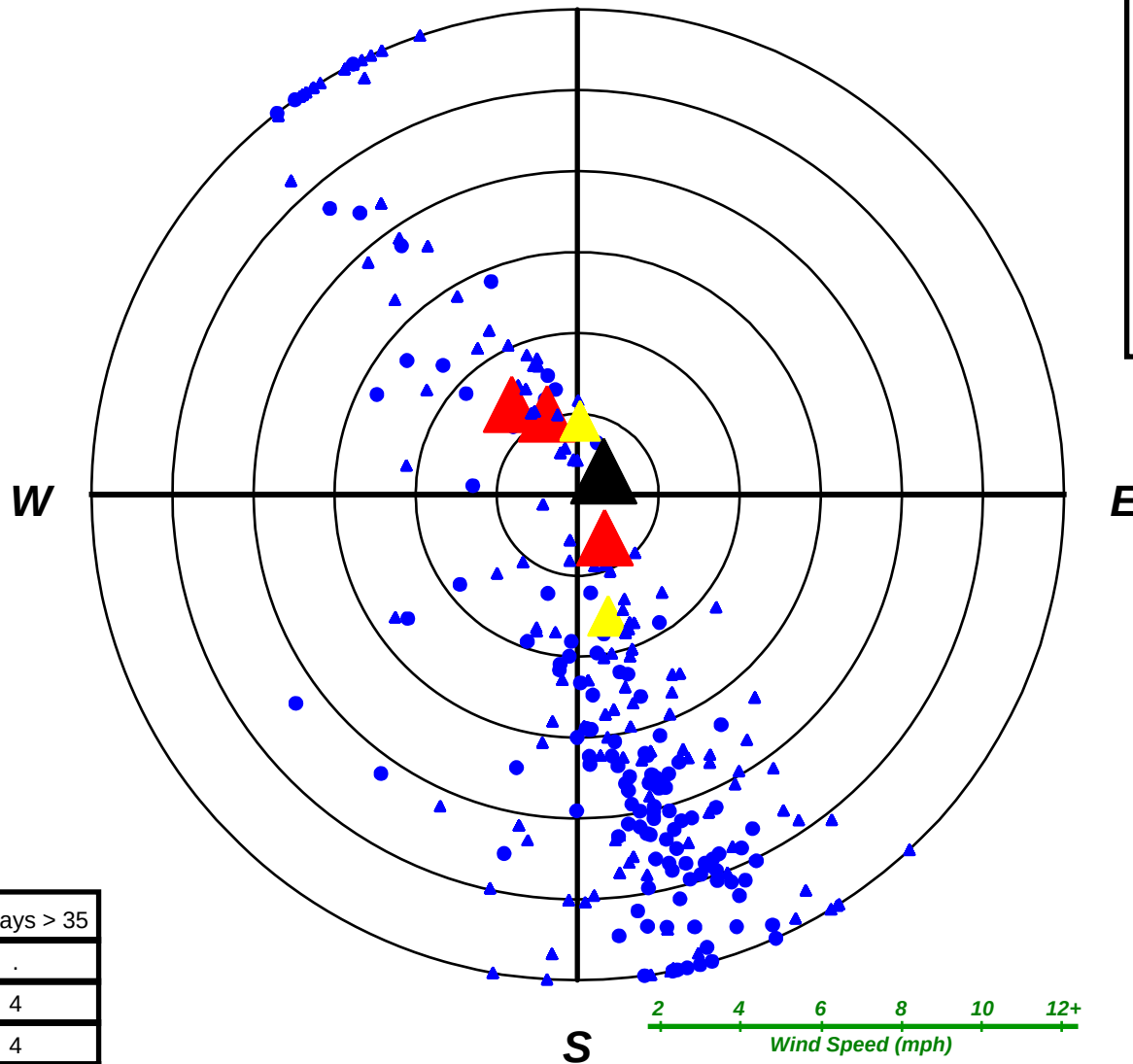
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	24.0	.
2006	36.0	4
2007	39.5	4
Design Value	33-A	

4 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 8.2 miles away
SACRAMENTO_METROPOLITAN_AP (ID=93225)

**Salt Lake City, UT [Box Elder County, UT]
Pollution Rose, 2005-2007**

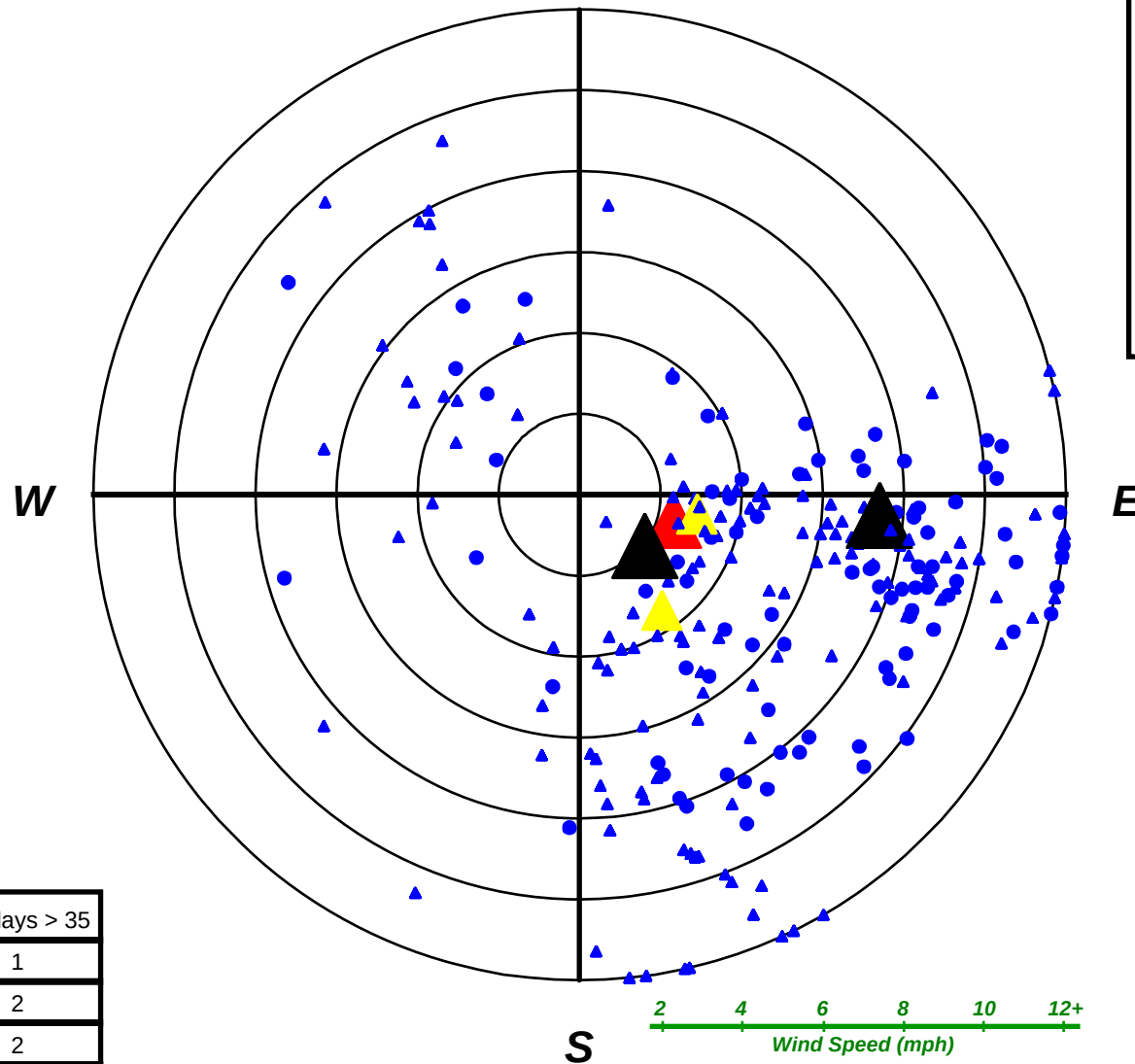
Site 490030003

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	25.9	1
2006	28.5	2
2007	33.6	2
Design Value	29-A	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 26.1 miles away
OGDEN_HILL_AFB (ID=24101)

Salt Lake City, UT [Box Elder County, UT]
Pollution Rose, 2005-2007

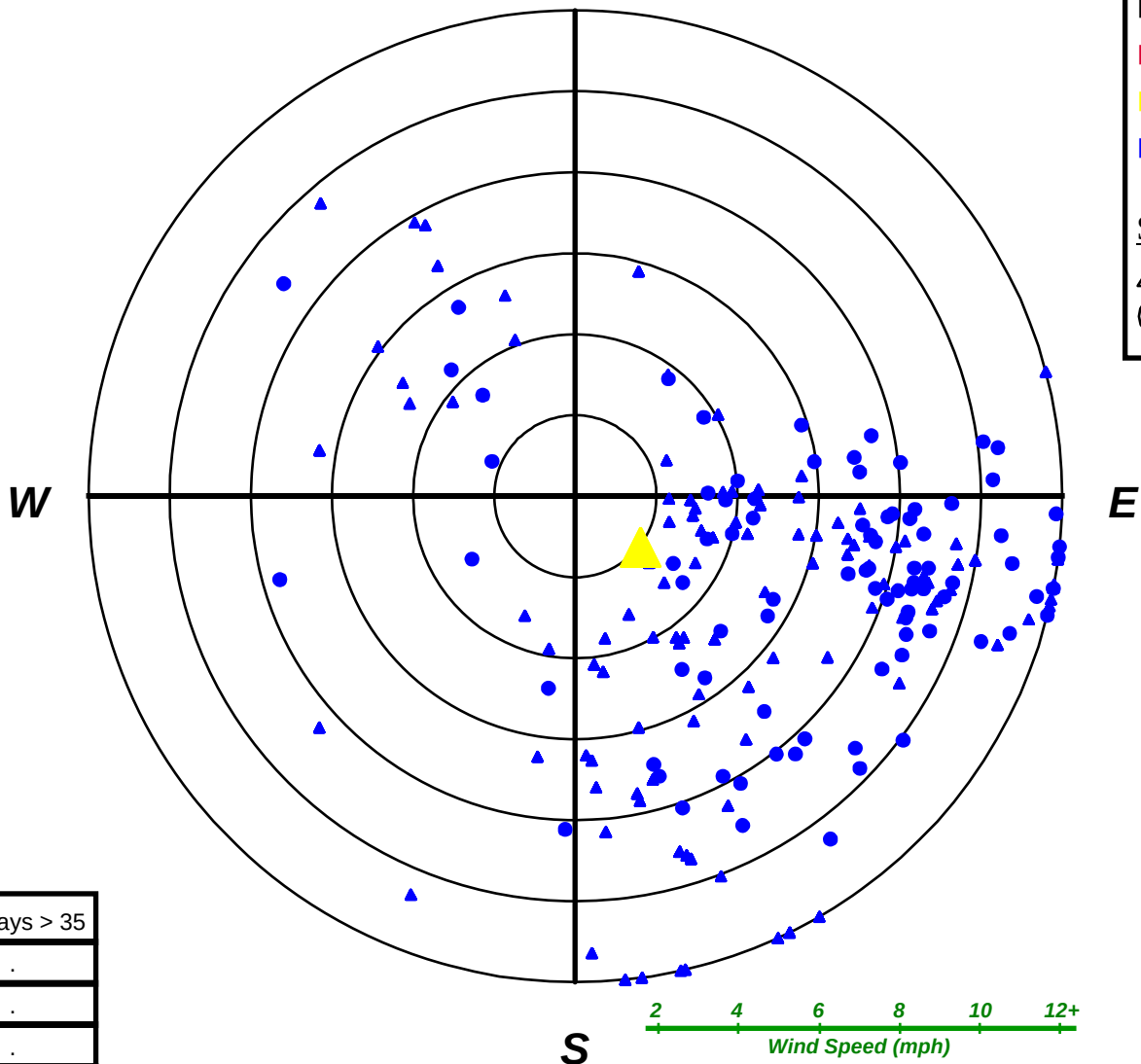
Site 490037001

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



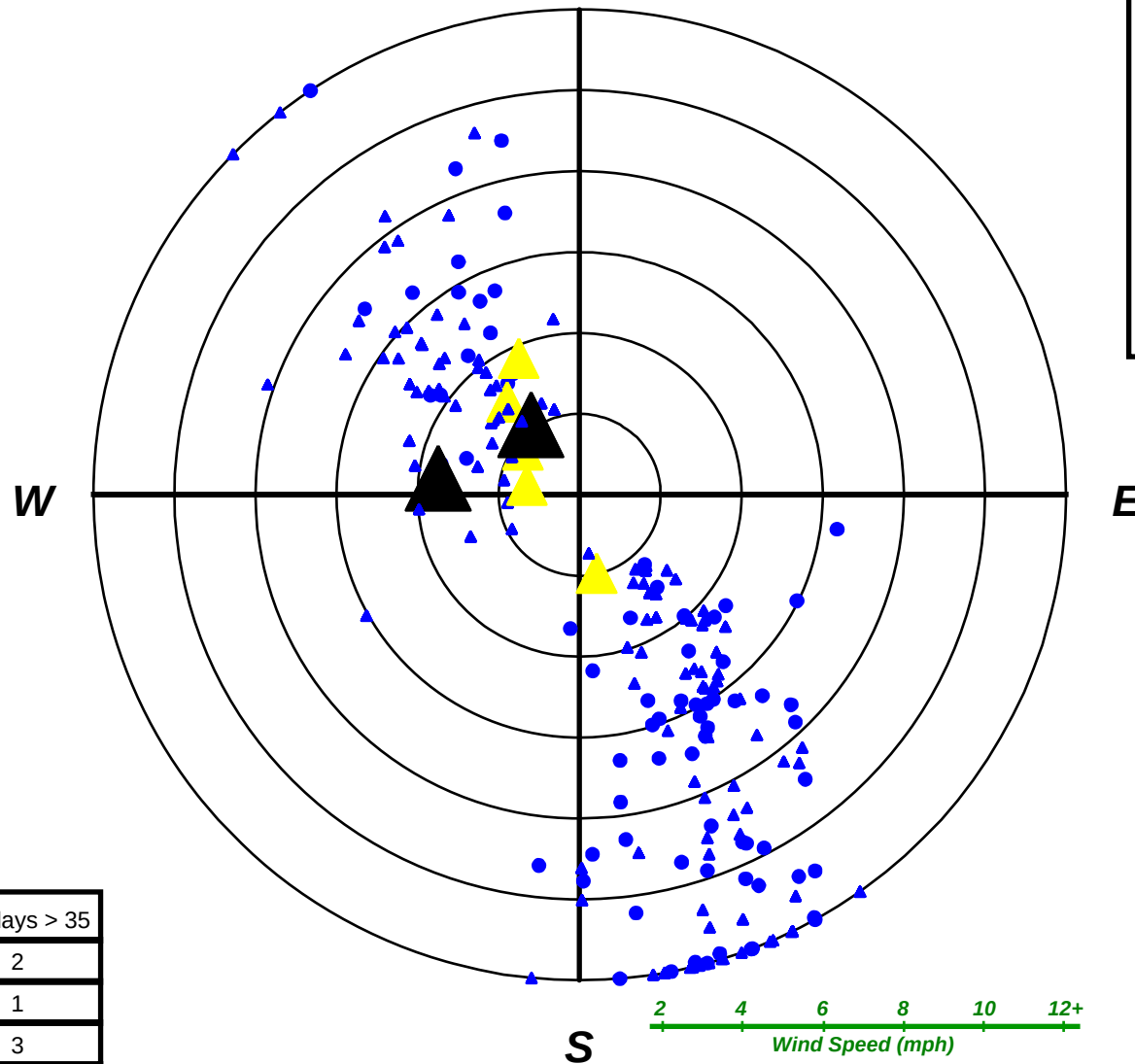
Year	98th %-ile	# days > 35
2005	17.0	.
2006	20.2	.
2007	29.1	.
Design Value	22-inc-a	

No exceedances

Meteorological data from 58.9 miles away
OGDEN_HILL_AFB (ID=24101)

**Salt Lake City, UT [Davis County, UT]
Pollution Rose, 2005-2007**

Site 490110004



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	35.1	2
2006	34.1	1
2007	45.1	3
Design Value	38-NA	

4 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 9.3 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)

**Salt Lake City, UT [Salt Lake County, UT]
Pollution Rose, 2005-2007**

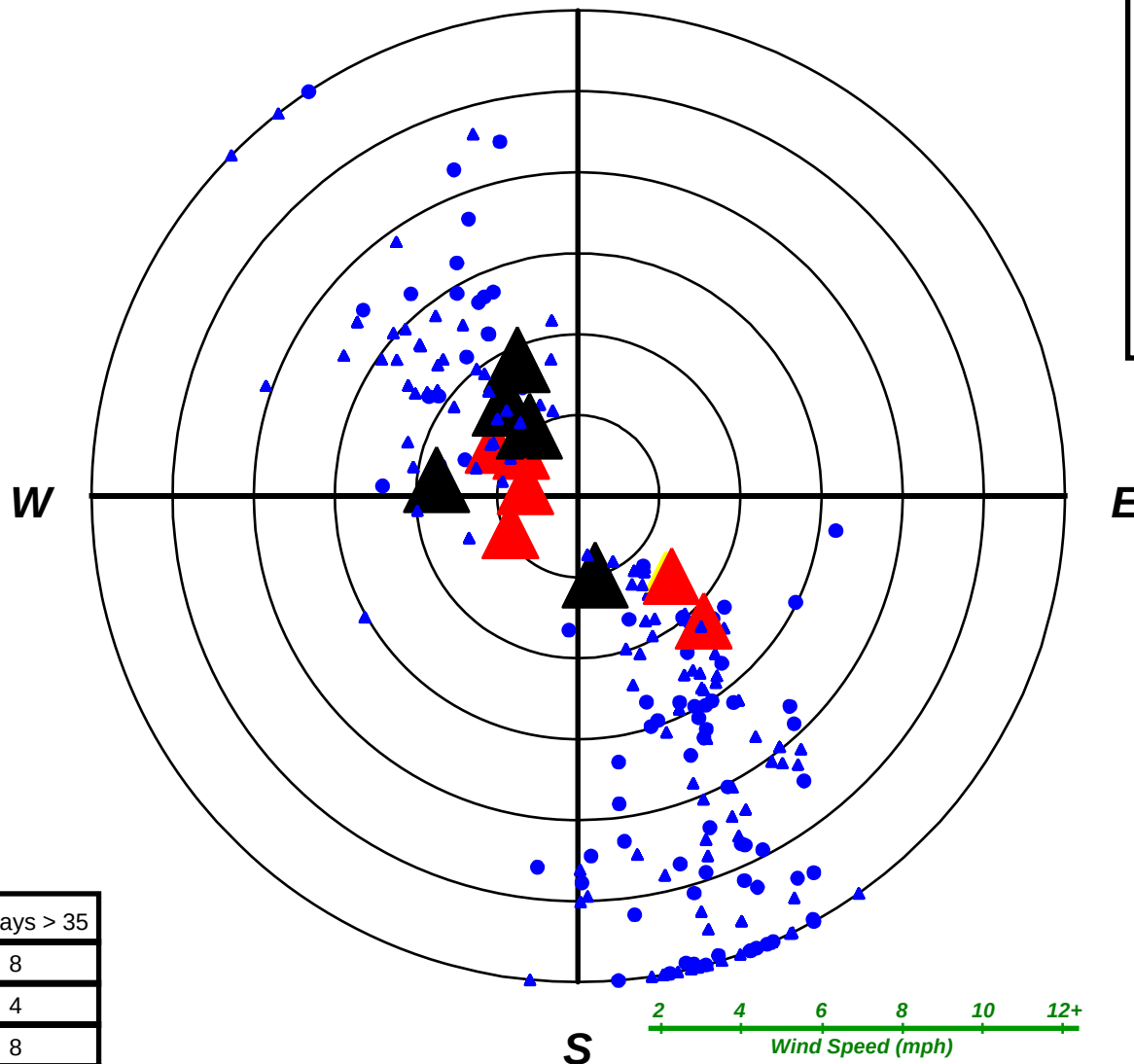
Site 490350003

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



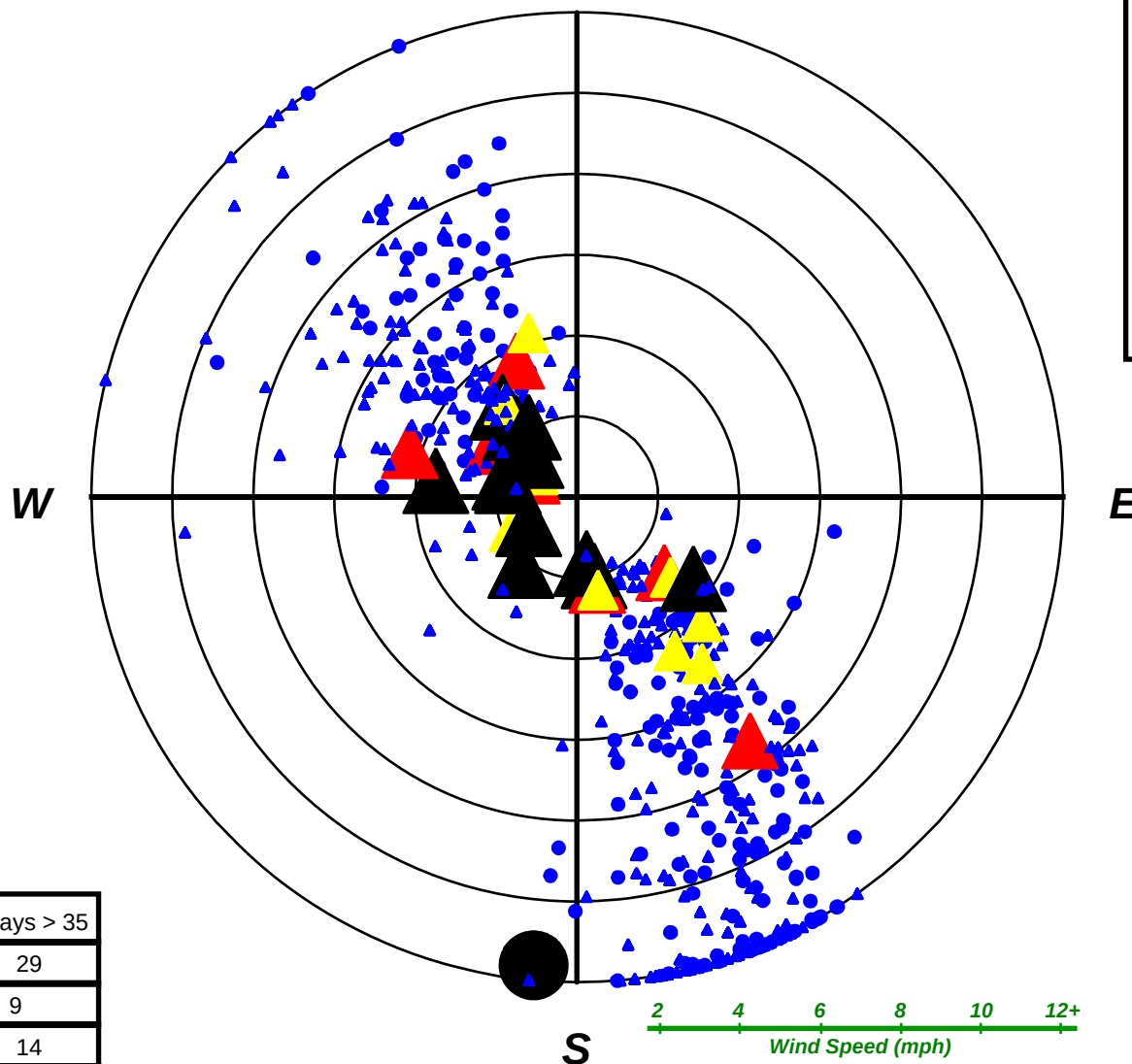
Year	98th %-ile	# days > 35
2005	42.0	8
2006	39.2	4
2007	58.4	8
Design Value	47-NA	

9 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 11.2 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)

**Salt Lake City, UT [Salt Lake County, UT]
Pollution Rose, 2005-2007**

Site 490350012



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	44.4	29
2006	39.9	9
2007	79.2	14
Design Value	55-NA	

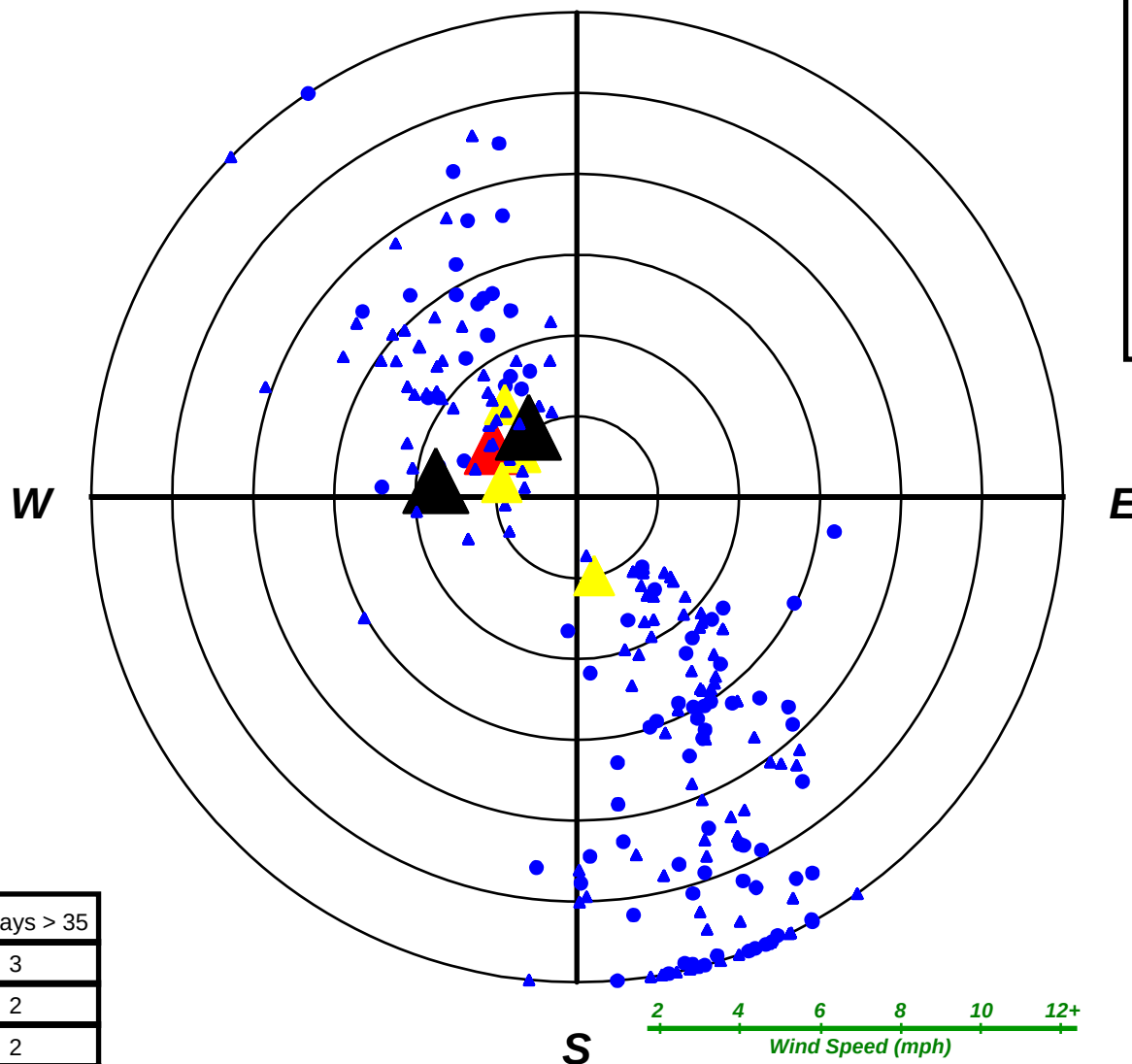
28 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 2.9 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)*

**Salt Lake City, UT [Salt Lake County, UT]
Pollution Rose, 2005-2007**

Site 490351001



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

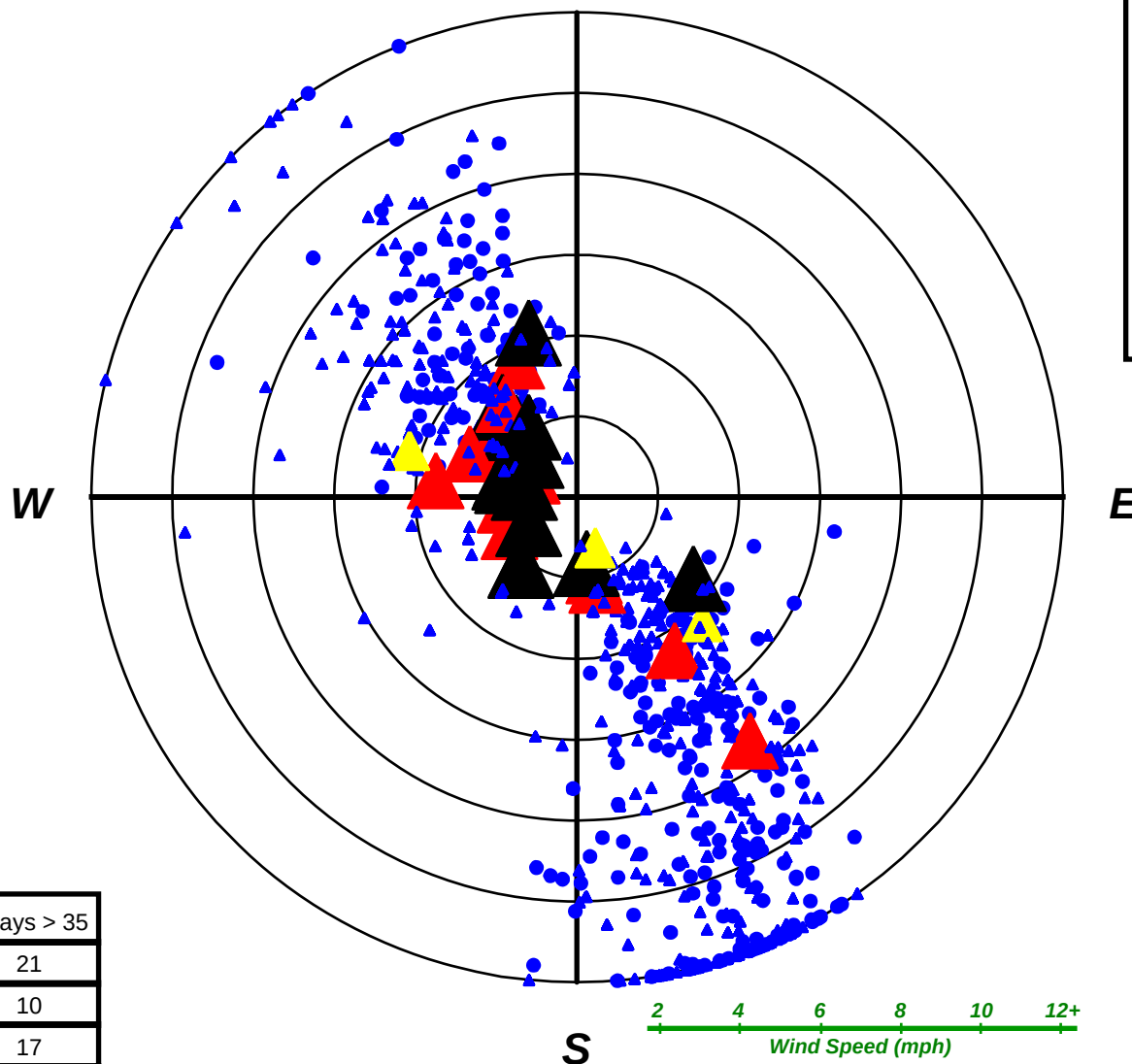
Year	98th %-ile	# days > 35
2005	36.7	3
2006	29.3	2
2007	30.0	2
Design Value	32-A	

4 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 8.4 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)

**Salt Lake City, UT [Salt Lake County, UT]
Pollution Rose, 2005-2007**

Site 490353006



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	43.3	21
2006	37.6	10
2007	64.2	17
Design Value	48-NA	

21 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.9 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)

**Salt Lake City, UT [Salt Lake County, UT]
Pollution Rose, 2005-2007**

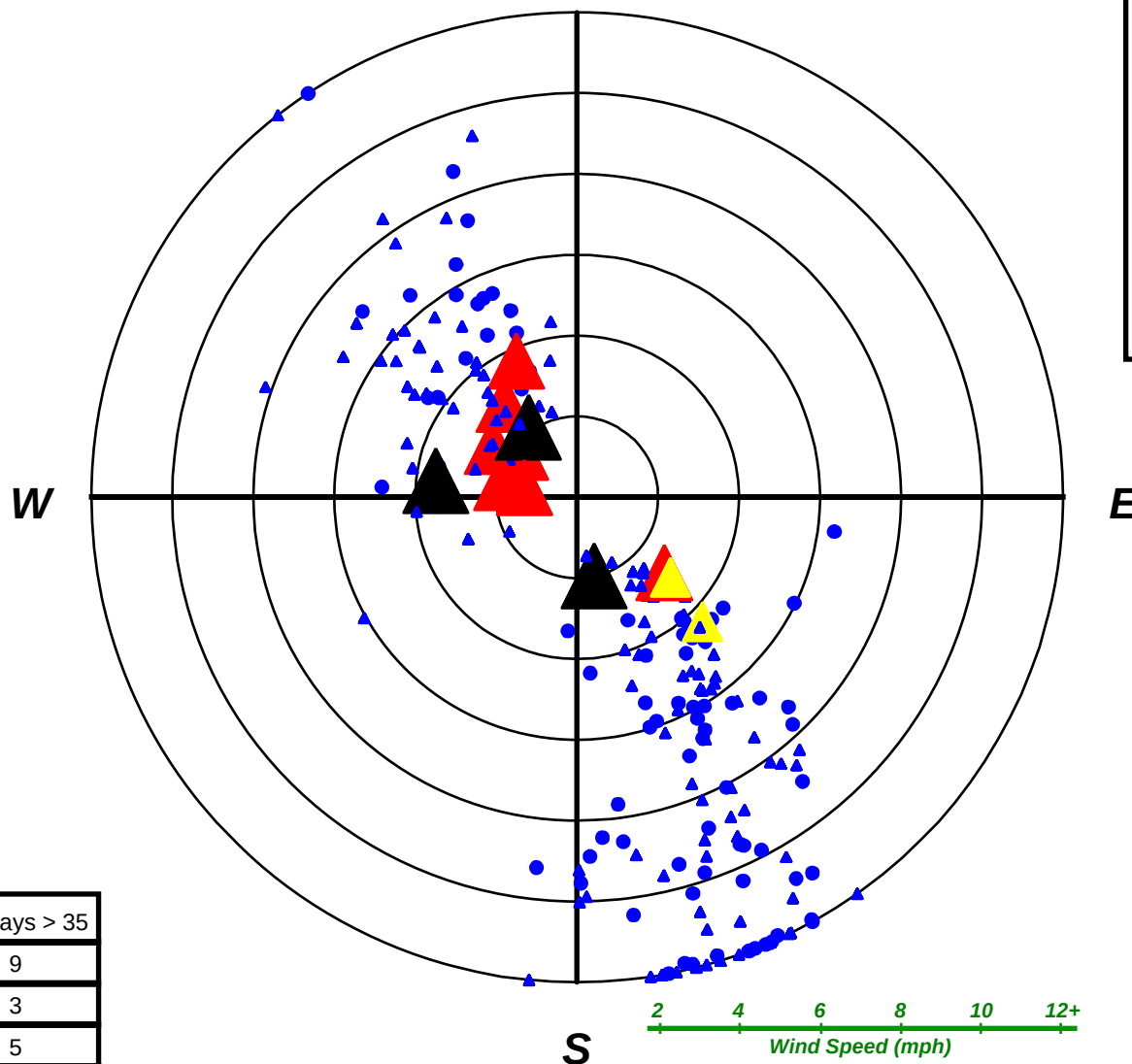
Site 490353007

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



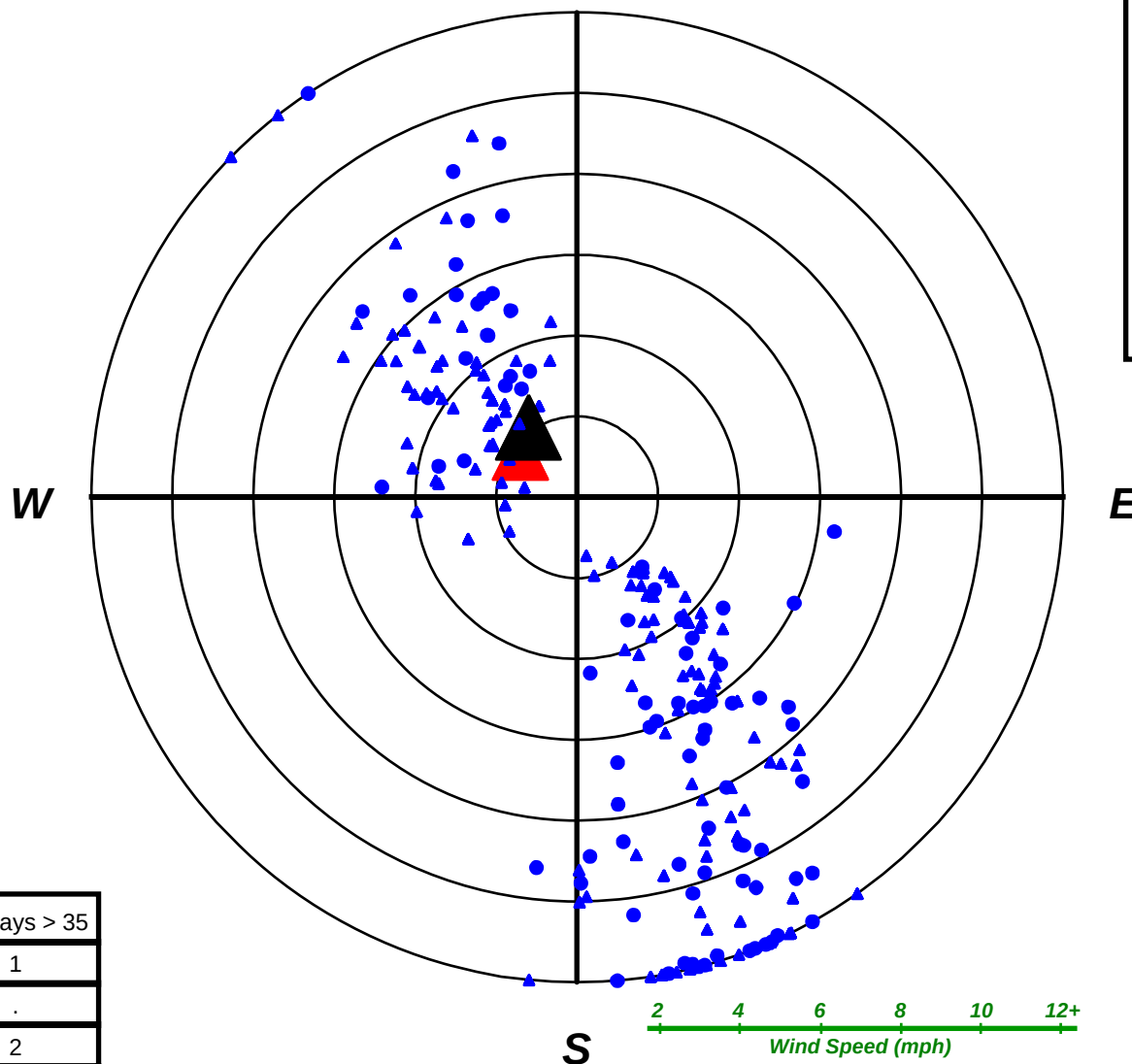
Year	98th %-ile	# days > 35
2005	39.5	9
2006	38.5	3
2007	49.4	5
Design Value	42-NA	

7 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 5.4 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)*

**Salt Lake City, UT [Salt Lake County, UT]
Pollution Rose, 2005-2007**

Site 490353008



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	27.3	1
2006	22.0	.
2007	23.1	2
Design Value	24-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 18.6 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)

**Salt Lake City, UT [Salt Lake County, UT]
Pollution Rose, 2005-2007**

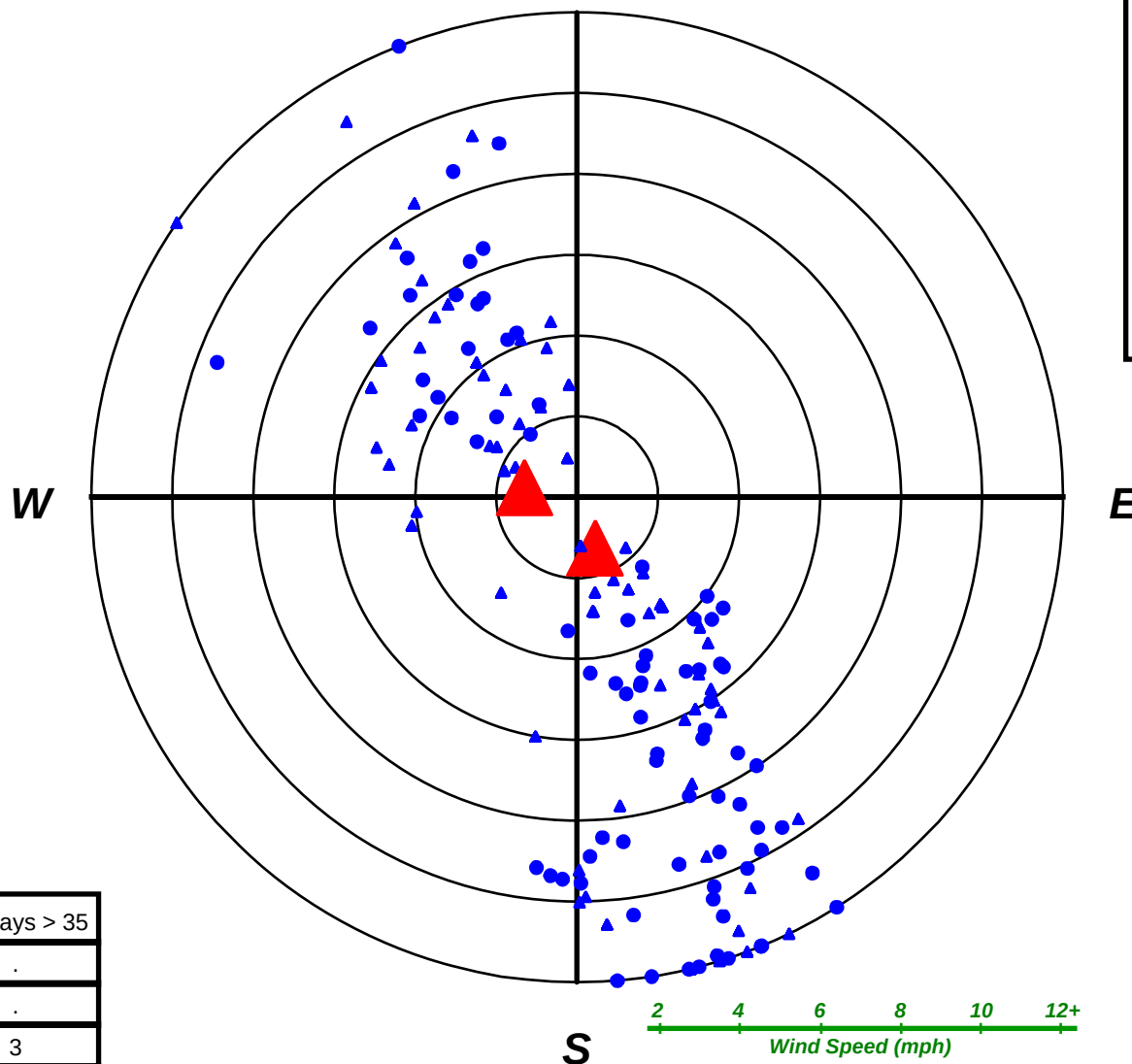
Site 490353010

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



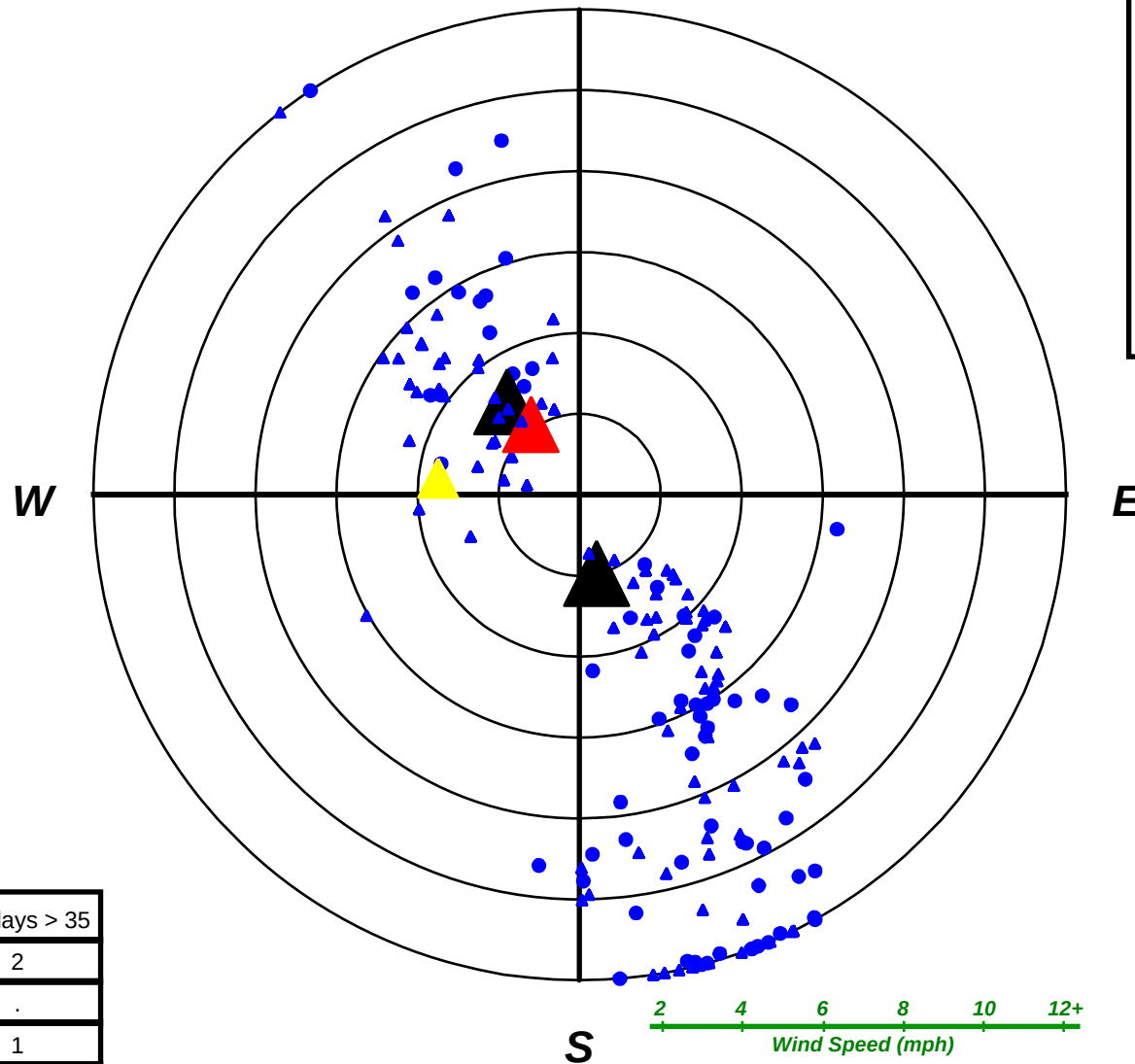
Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	30.3	3
Design Value	30-inc-a	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 1.9 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)

**Salt Lake City, UT [Tooele County, UT]
Pollution Rose, 2005-2007**

Site 490450003



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	45.5	2
2006	22.8	.
2007	23.3	1
Design Value	31-A	

All exceedances plotted

*Meteorological data from 24.0 miles away
SALT LAKE CITY INT'L ARPT (ID=24127)*

Salt Lake City, UT [Weber County, UT]
Pollution Rose, 2005-2007

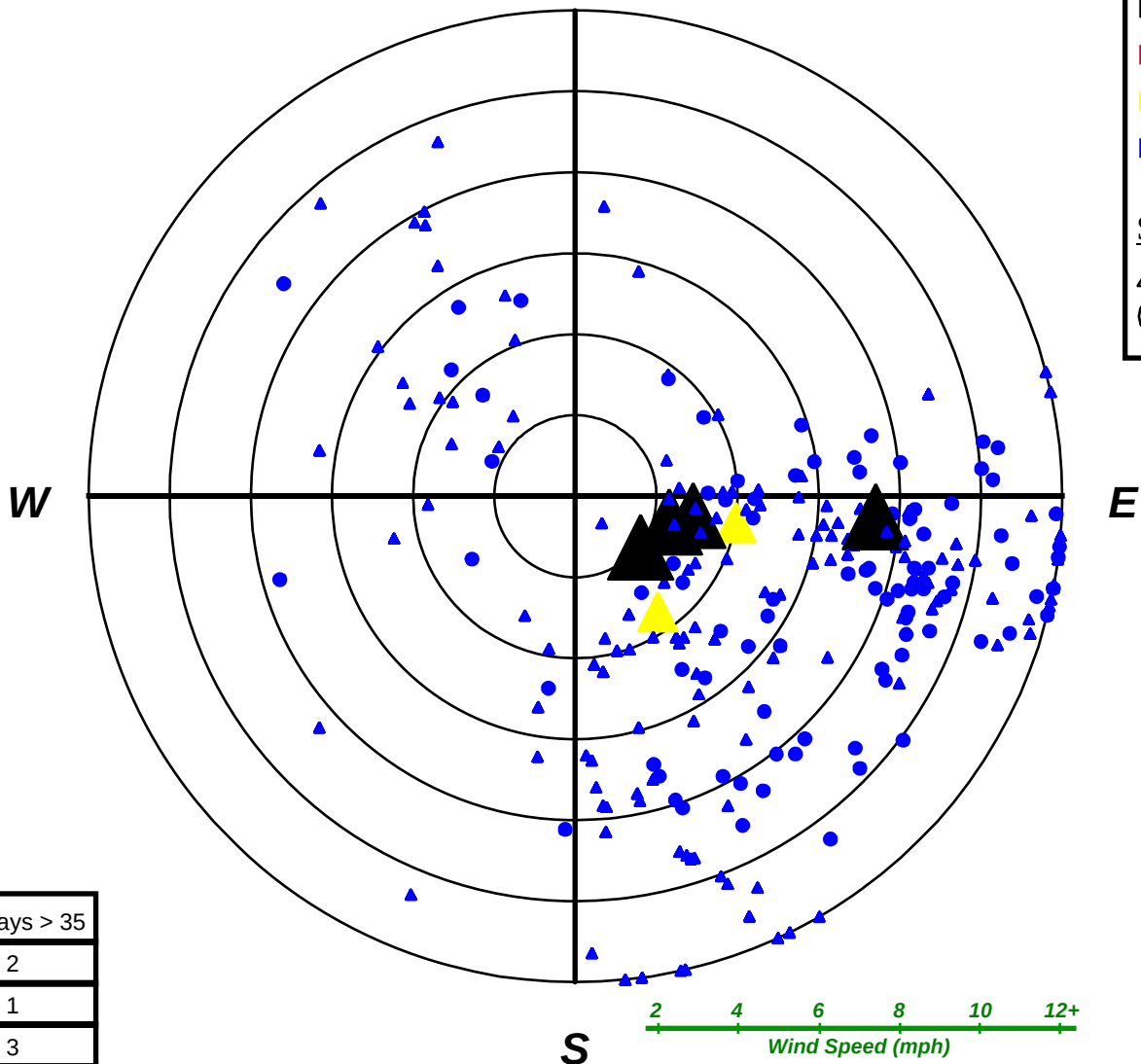
Site 490570002

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	31.0	2
2006	25.8	1
2007	50.4	3
Design Value	36-NA	

2 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.2 miles away
OGDEN_HILL_AFB (ID=24101)

**Salt Lake City, UT [Weber County, UT]
Pollution Rose, 2005-2007**

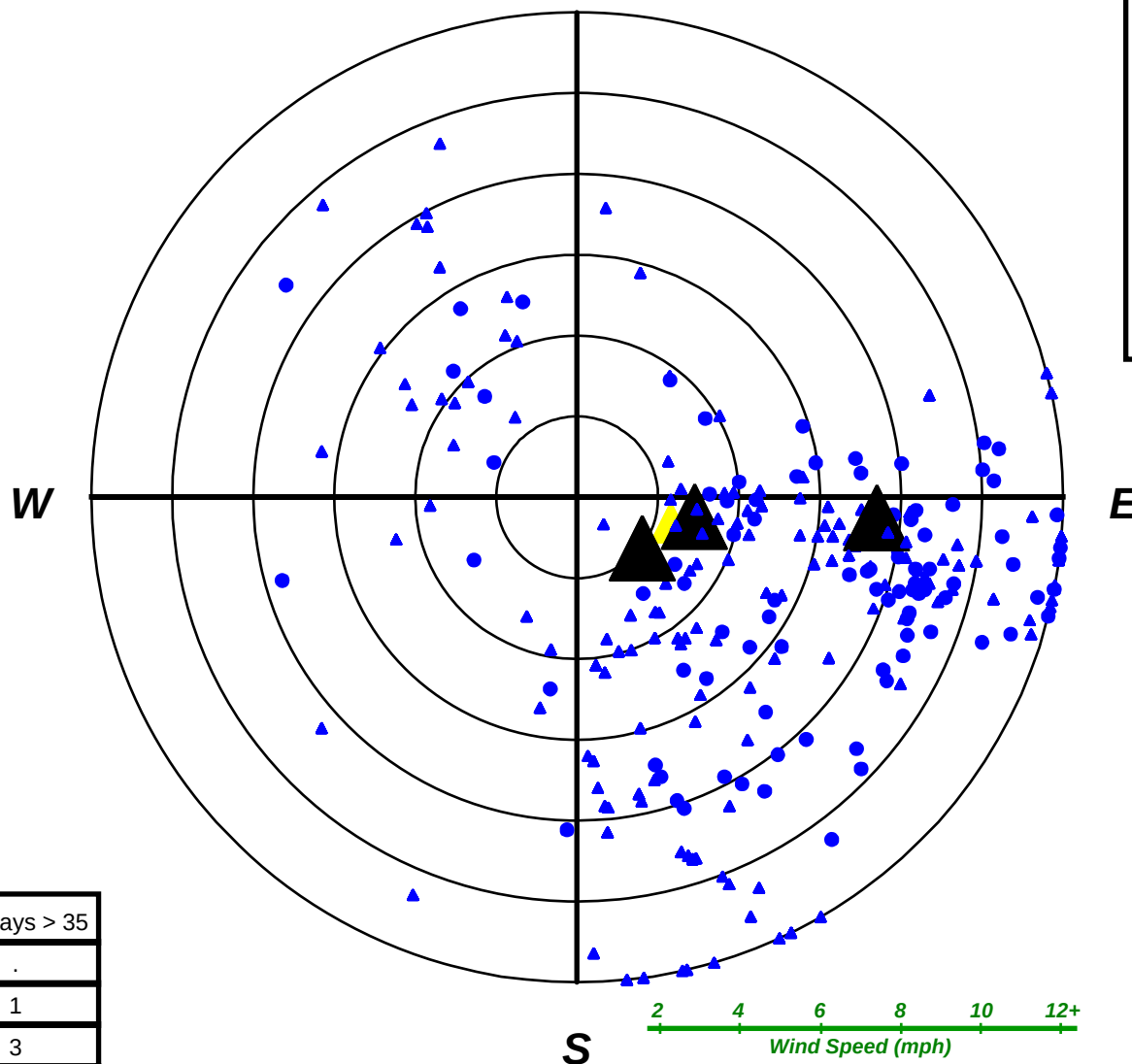
Site 490570007

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	26.5	.
2006	23.5	1
2007	44.2	3
Design Value	31-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 4.4 miles away
OGDEN_HILL_AFB (ID=24101)

**Salt Lake City, UT [Weber County, UT]
Pollution Rose, 2005-2007**

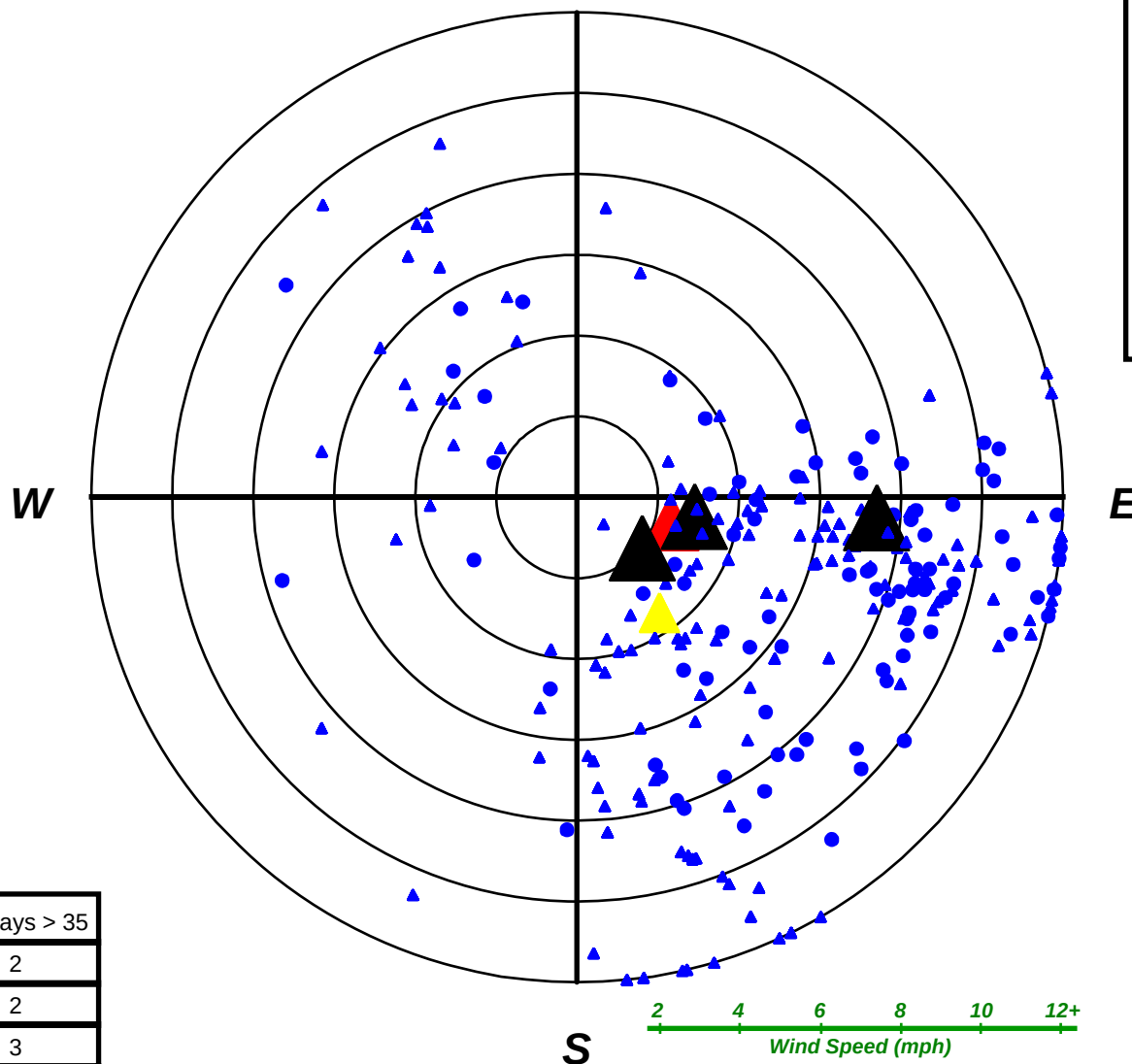
Site 490571003

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



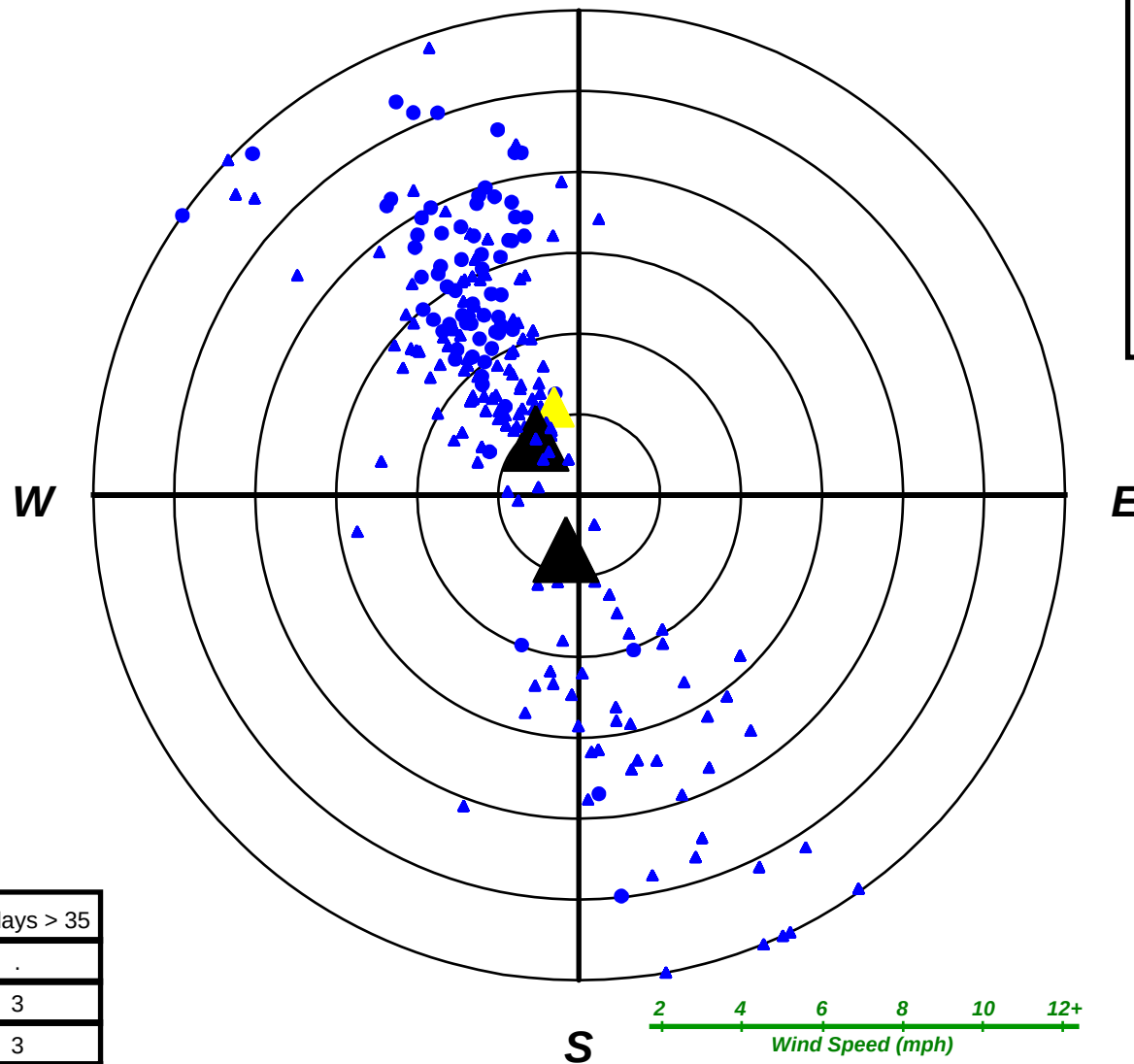
Year	98th %-ile	# days > 35
2005	29.8	2
2006	28.6	2
2007	45.2	3
Design Value	35-A	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 12.9 miles away
OGDEN_HILL_AFB (ID=24101)

**San Francisco Bay Area, CA [Alameda County, CA]
Pollution Rose, 2005-2007**

Site 060010007



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	28.7	.
2006	36.6	3
2007	39.2	3
Design Value	35-A	

4 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 23.6 miles away
SAN_JOSE_INTL_AP (ID=23293)

San Francisco Bay Area, CA [Alameda County, CA]
Pollution Rose, 2005-2007

Site 060010009

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

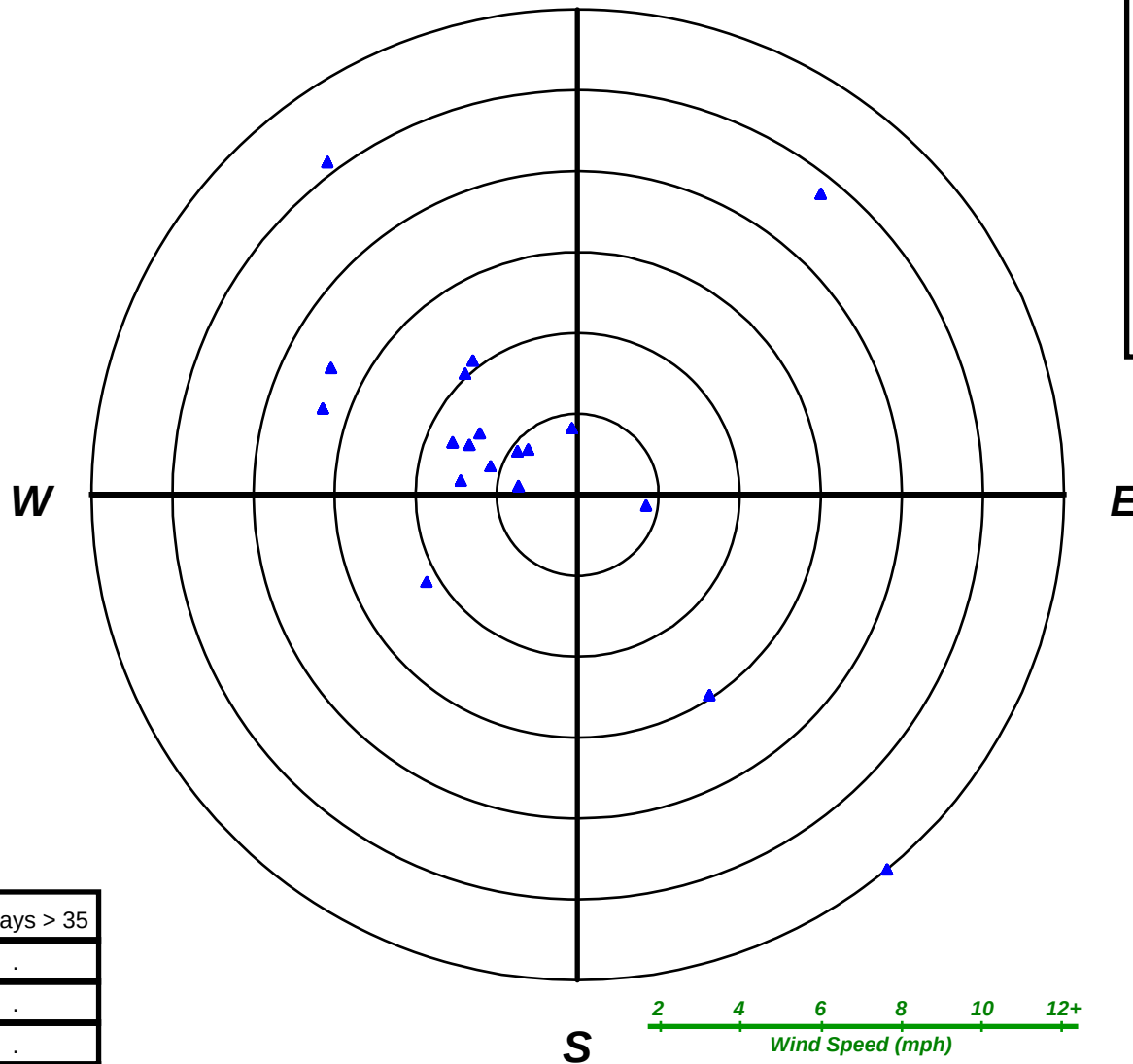
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



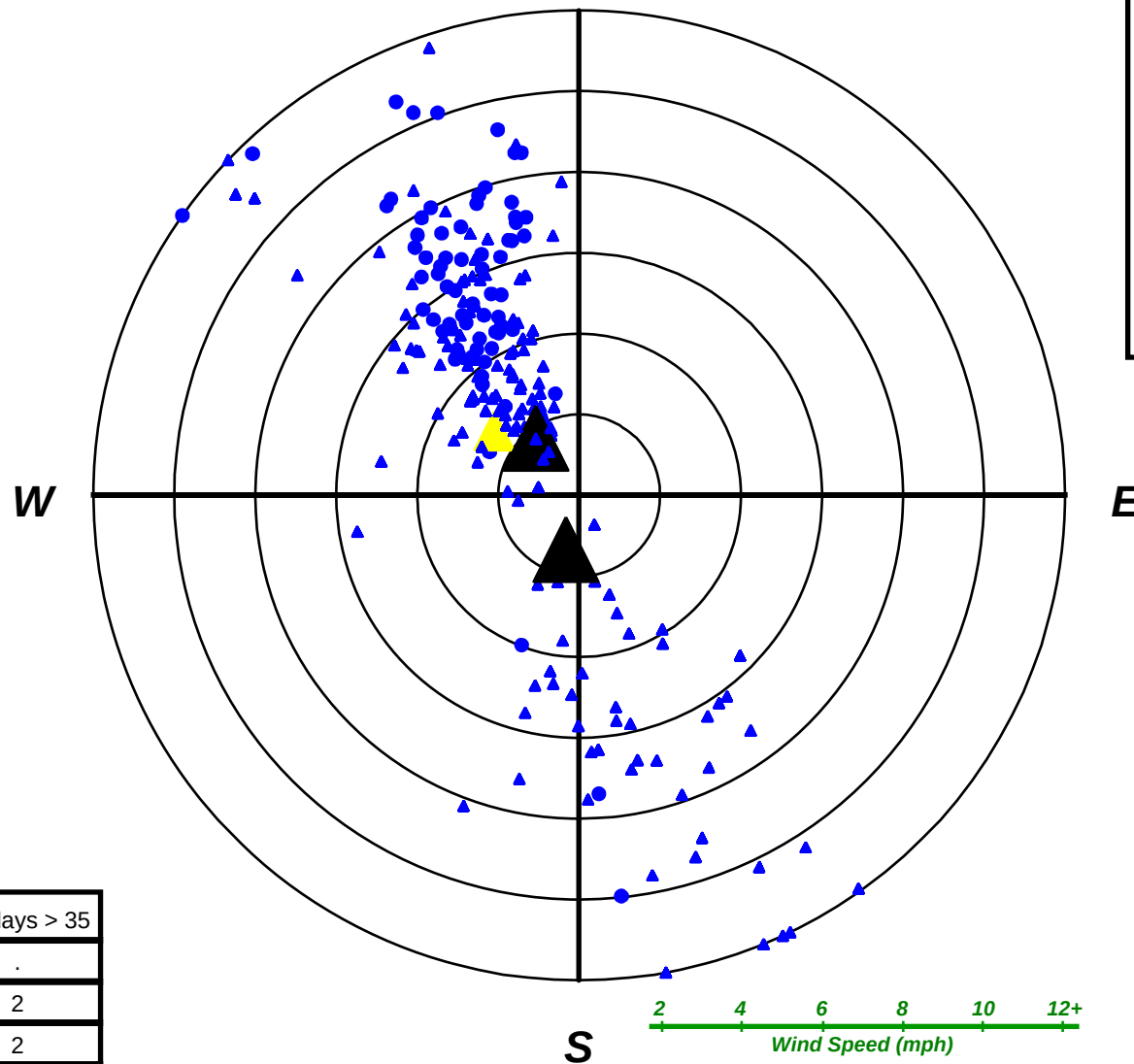
Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	22.8	.
Design Value	23-inc-a	

No exceedances

Meteorological data from 3.1 miles away
OAKLAND_METROPOLITAN_ARPT (ID=23230)

**San Francisco Bay Area, CA [Alameda County, CA]
Pollution Rose, 2005-2007**

Site 060011001



Year	98th %-ile	# days > 35
2005	27.6	.
2006	30.4	2
2007	33.3	2
Design Value	30-A	

2 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 11.8 miles away
SAN_JOSE_INTL_AP (ID=23293)*

San Francisco Bay Area, CA [Contra Costa County, CA]
Pollution Rose, 2005-2007

Site 060130002

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

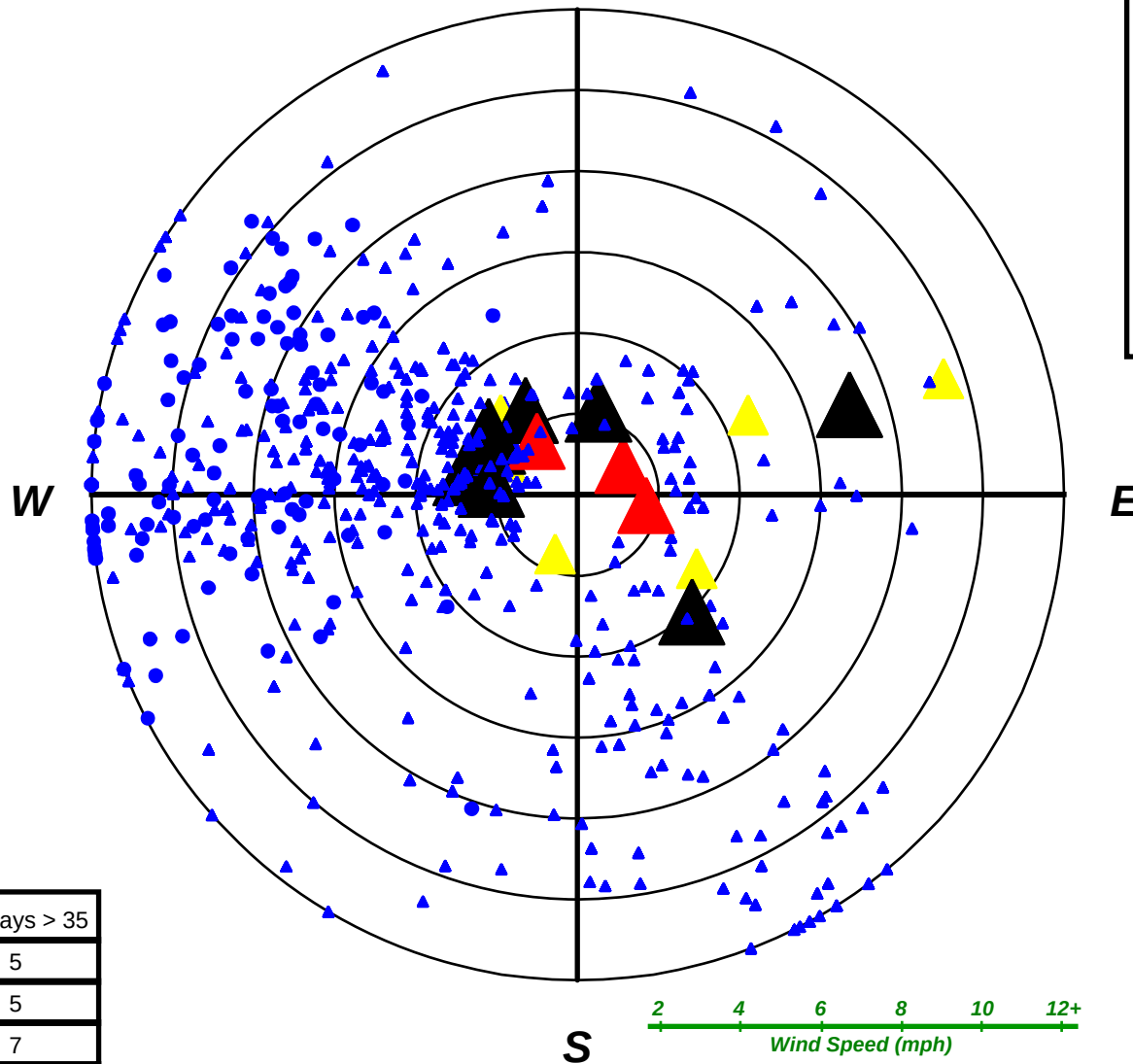
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



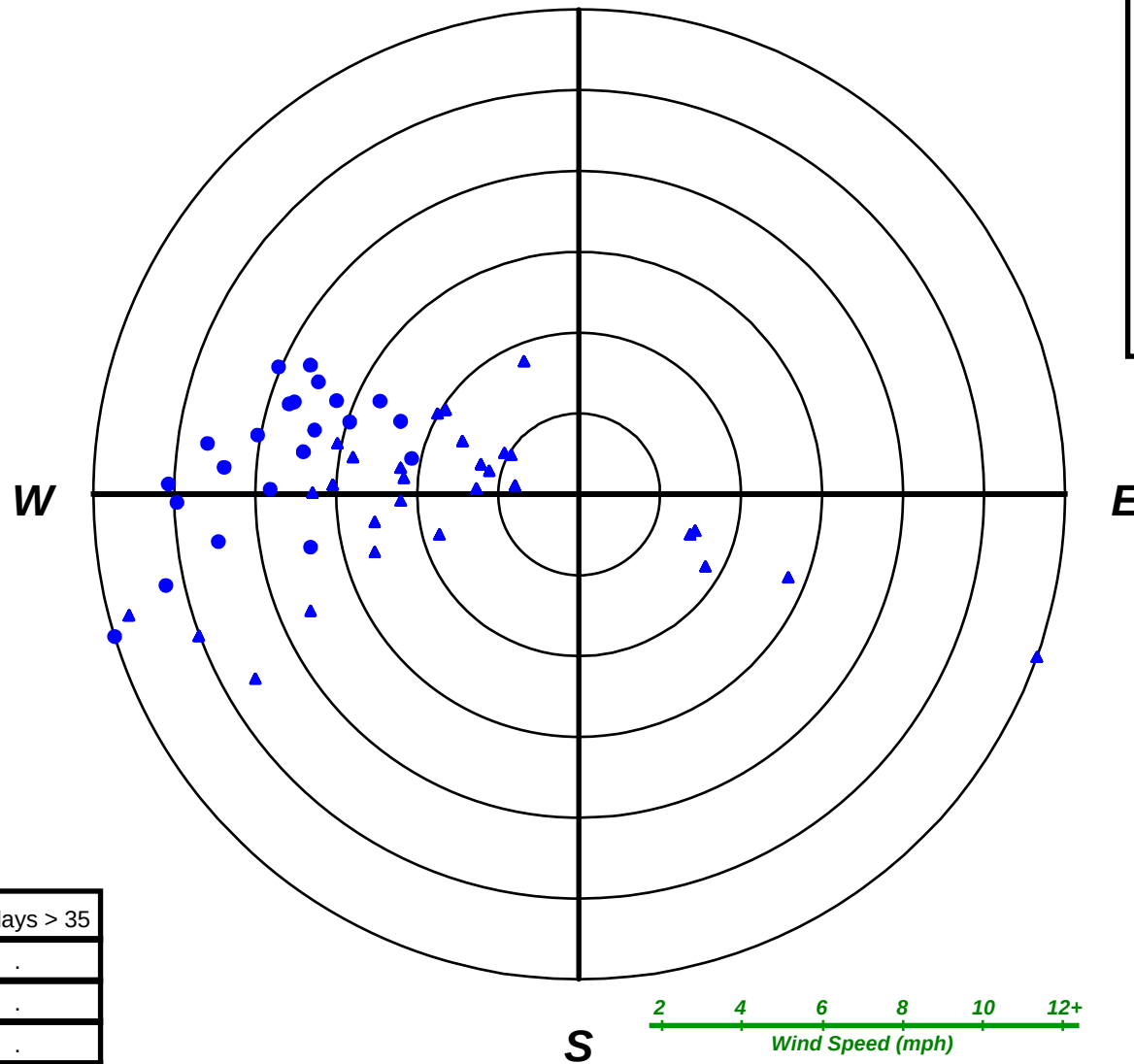
Year	98th %-ile	# days > 35
2005	33.4	5
2006	33.6	5
2007	34.9	7
Design Value	34-A	

6 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 18.4 miles away
OAKLAND_METROPOLITAN_ARPT (ID=23230)

San Francisco Bay Area, CA [San Benito County, CA]
Pollution Rose, 2005-2007

Site 060690002



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

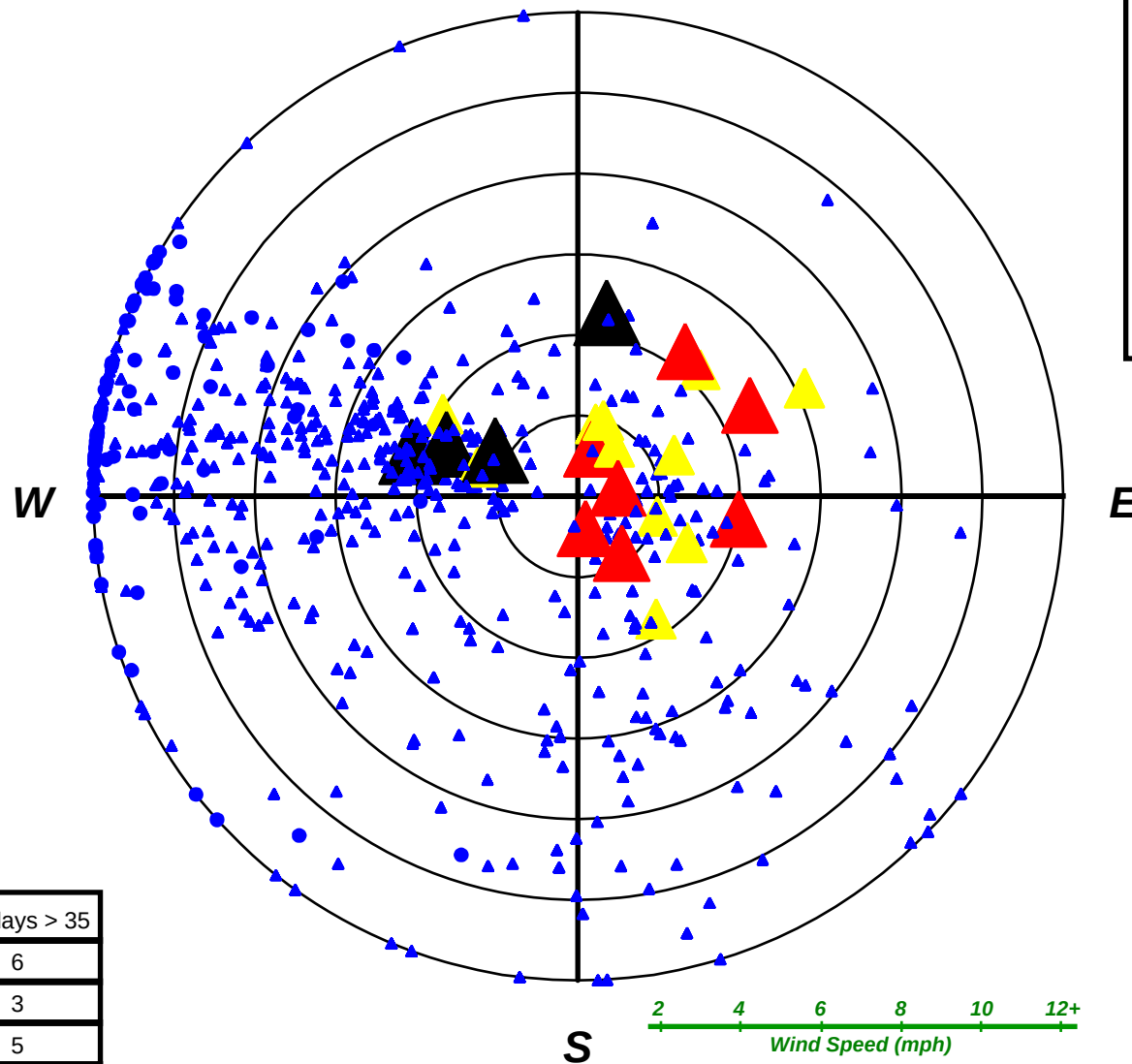
Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	19.4	.
Design Value	19-inc-a	

No exceedances

Meteorological data from 18.0 miles away
SALINAS_MUNICIPAL_AP (ID=23233)

**San Francisco Bay Area, CA [San Francisco County, CA]
Pollution Rose, 2005-2007**

Site 060750005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	32.6	6
2006	27.8	3
2007	27.4	5
Design Value	29-A	

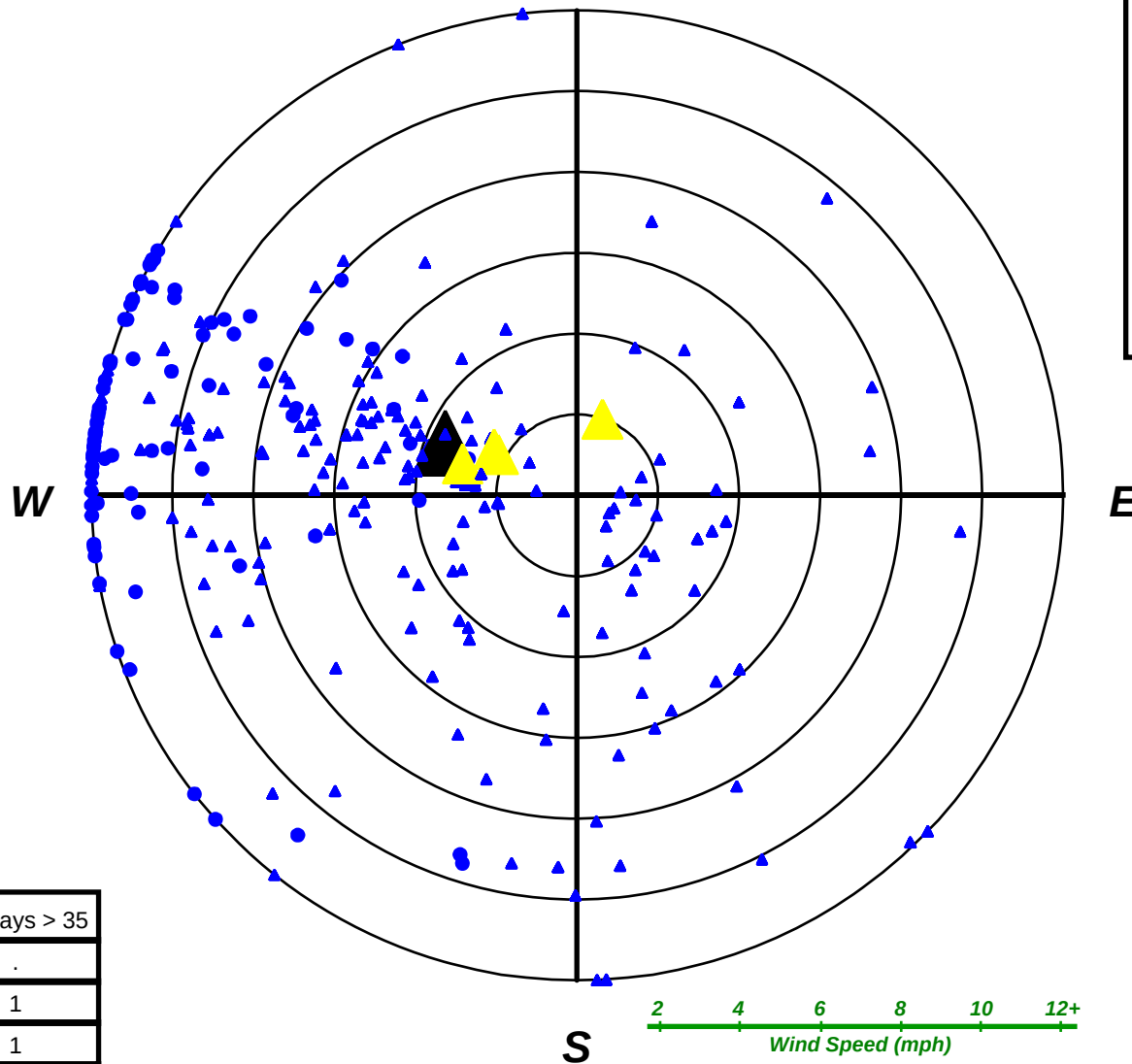
3 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 10.3 miles away
SAN FRANCISCO_INTL_AP (ID=23234)*

**San Francisco Bay Area, CA [San Mateo County, CA]
Pollution Rose, 2005-2007**

Site 060811001



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	29.4	.
2006	30.9	1
2007	32.8	1
Design Value	31-A	

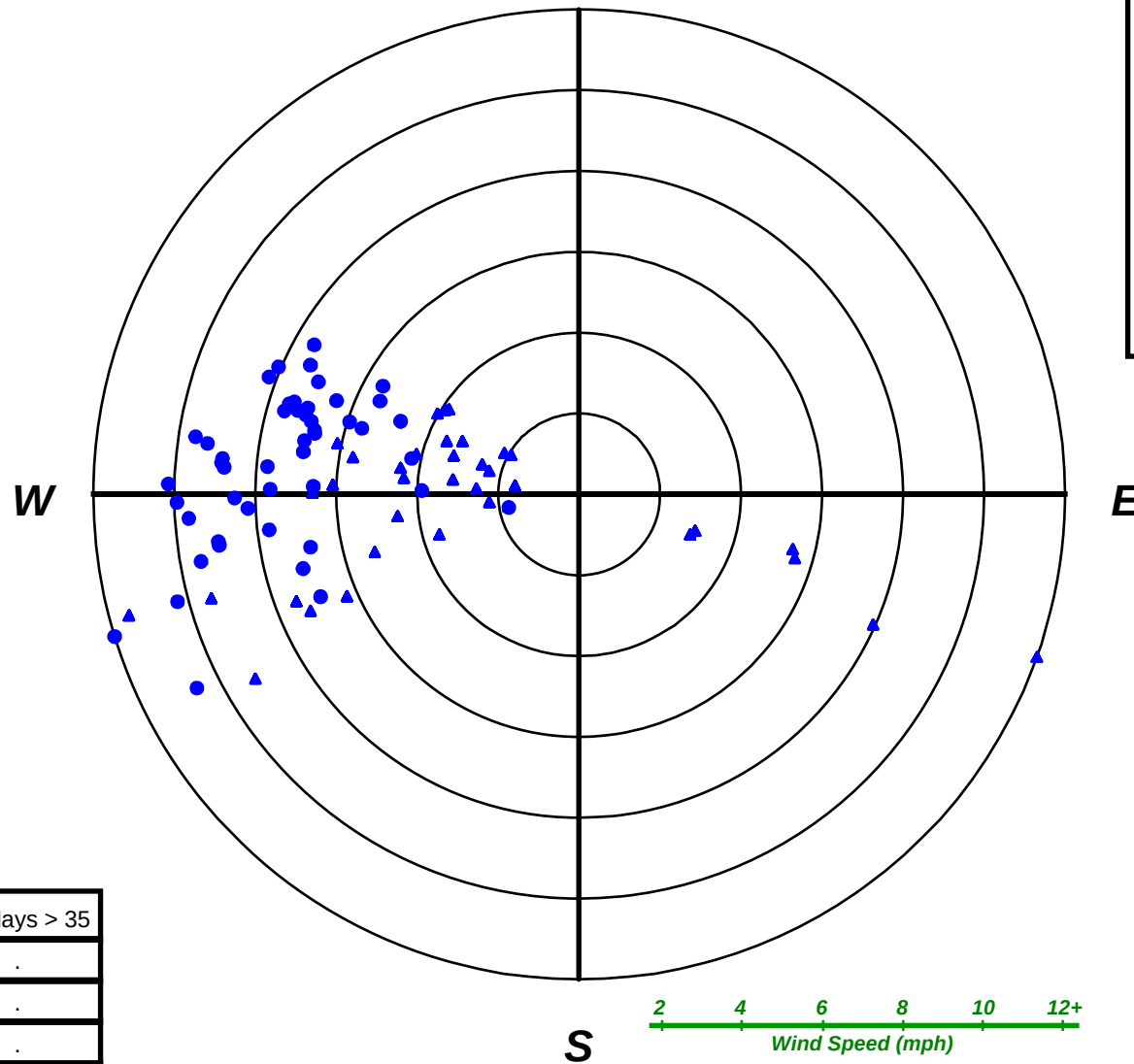
1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 14.2 miles away
SAN FRANCISCO_INTL_AP (ID=23234)*

**San Francisco Bay Area, CA [Santa Clara County, CA]
Pollution Rose, 2005-2007**

Site 060850002



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	16.2	.
Design Value	16-inc-a	

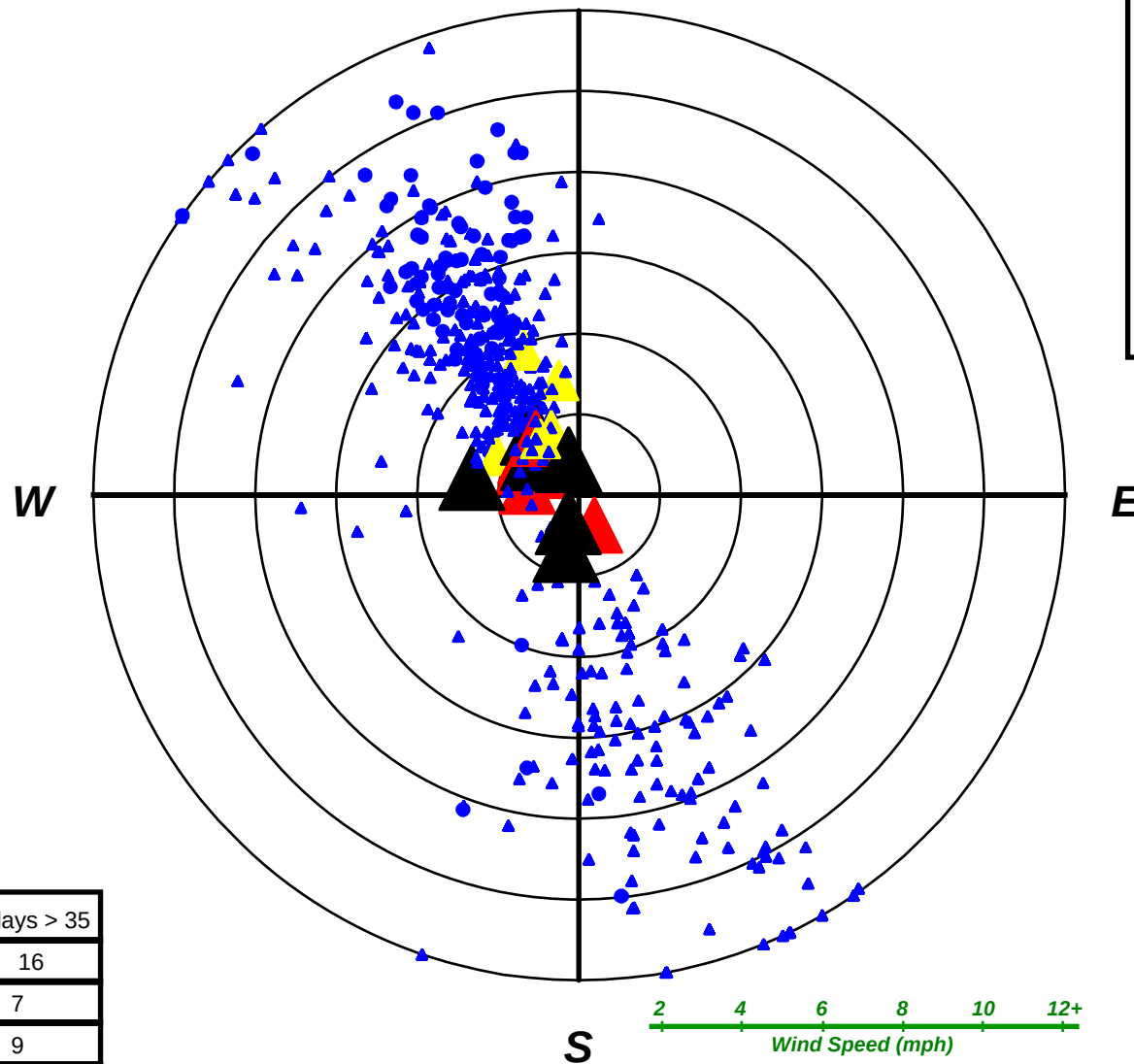
No exceedances

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 23.1 miles away
SALINAS_MUNICIPAL_AP (ID=23233)

**San Francisco Bay Area, CA [Santa Clara County, CA]
Pollution Rose, 2005-2007**

Site 060850005



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

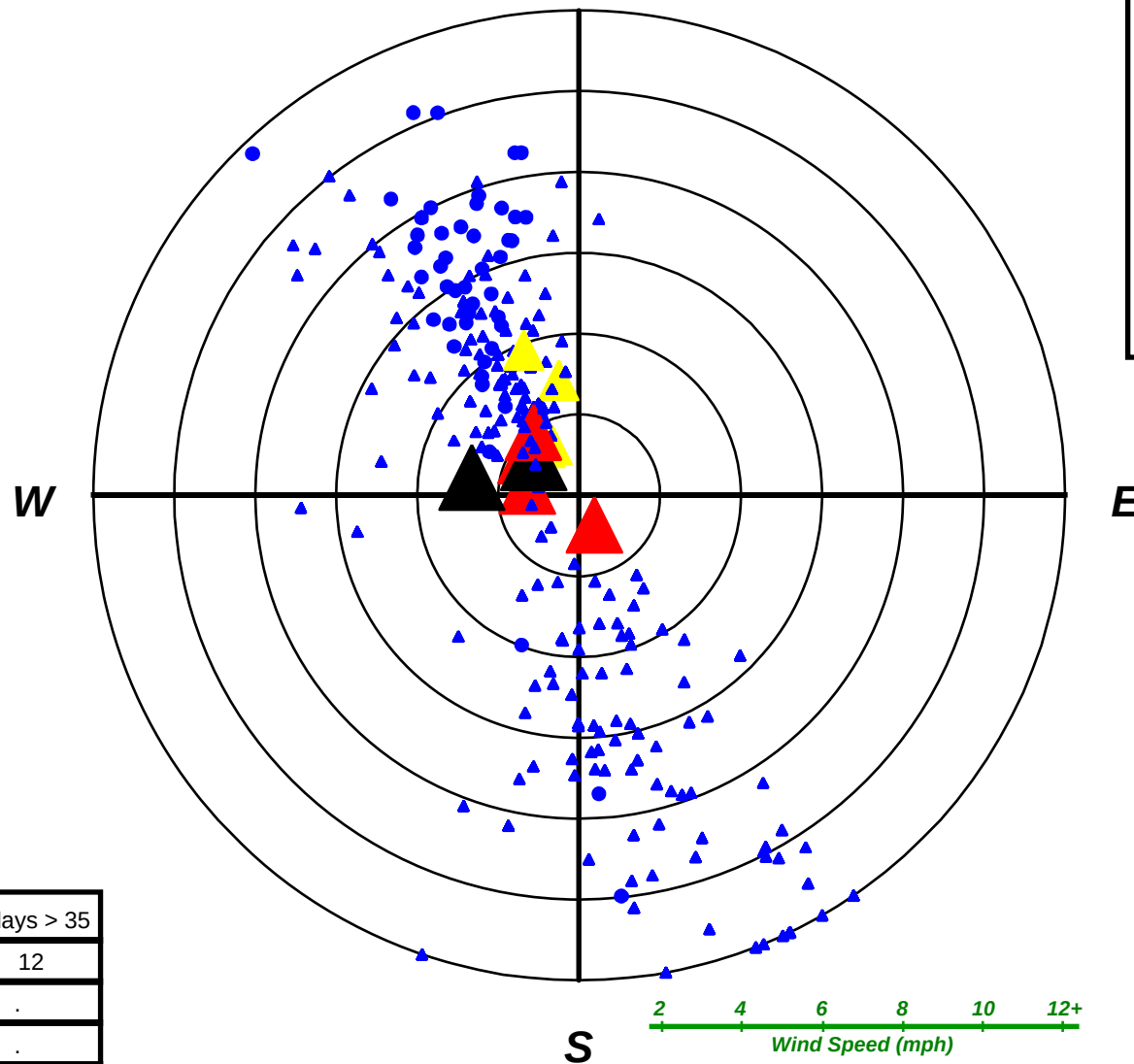
Year	98th %-ile	# days > 35
2005	39.8	16
2006	36.0	7
2007	39.1	9
Design Value	38-NA	

19 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.4 miles away
SAN_JOSE_INTL_AP (ID=23293)

**San Francisco Bay Area, CA [Santa Clara County, CA]
Pollution Rose, 2005-2007**

Site 060852003



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	38.7	12
2006	23.8	.
2007	.	.
Design Value	31-inc-a	

6 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.2 miles away
SAN_JOSE_INTL_AP (ID=23293)

San Francisco Bay Area, CA [Santa Cruz County, CA]
Pollution Rose, 2005-2007

Site 060870007

Concentration:

> 40 µg/m3

35 - 40 µg/m³

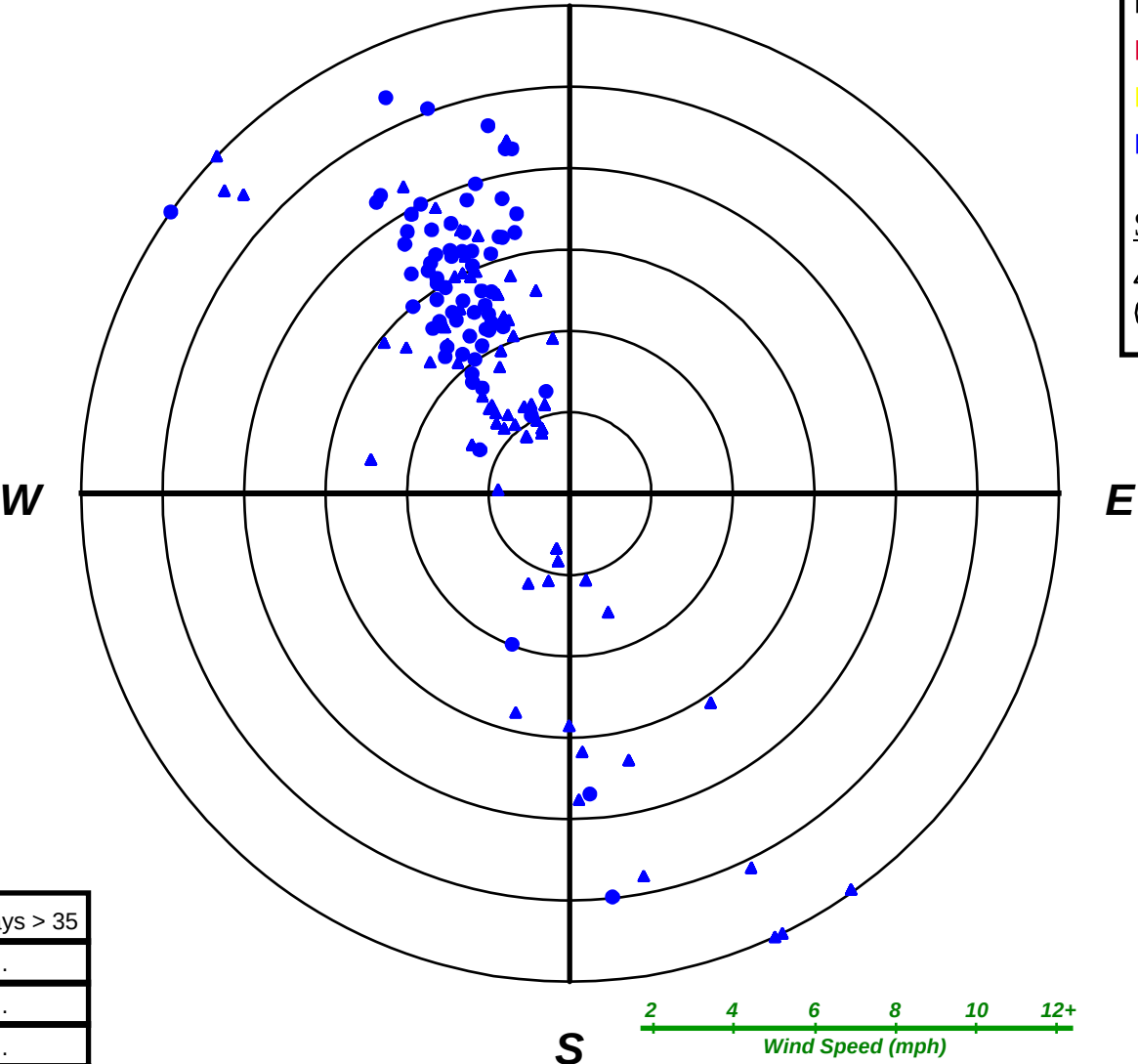
30 - 35 µg/m³

≤ 30 µg/m³

Season:

cool (Oct-Apr)

warm (May-Sep)



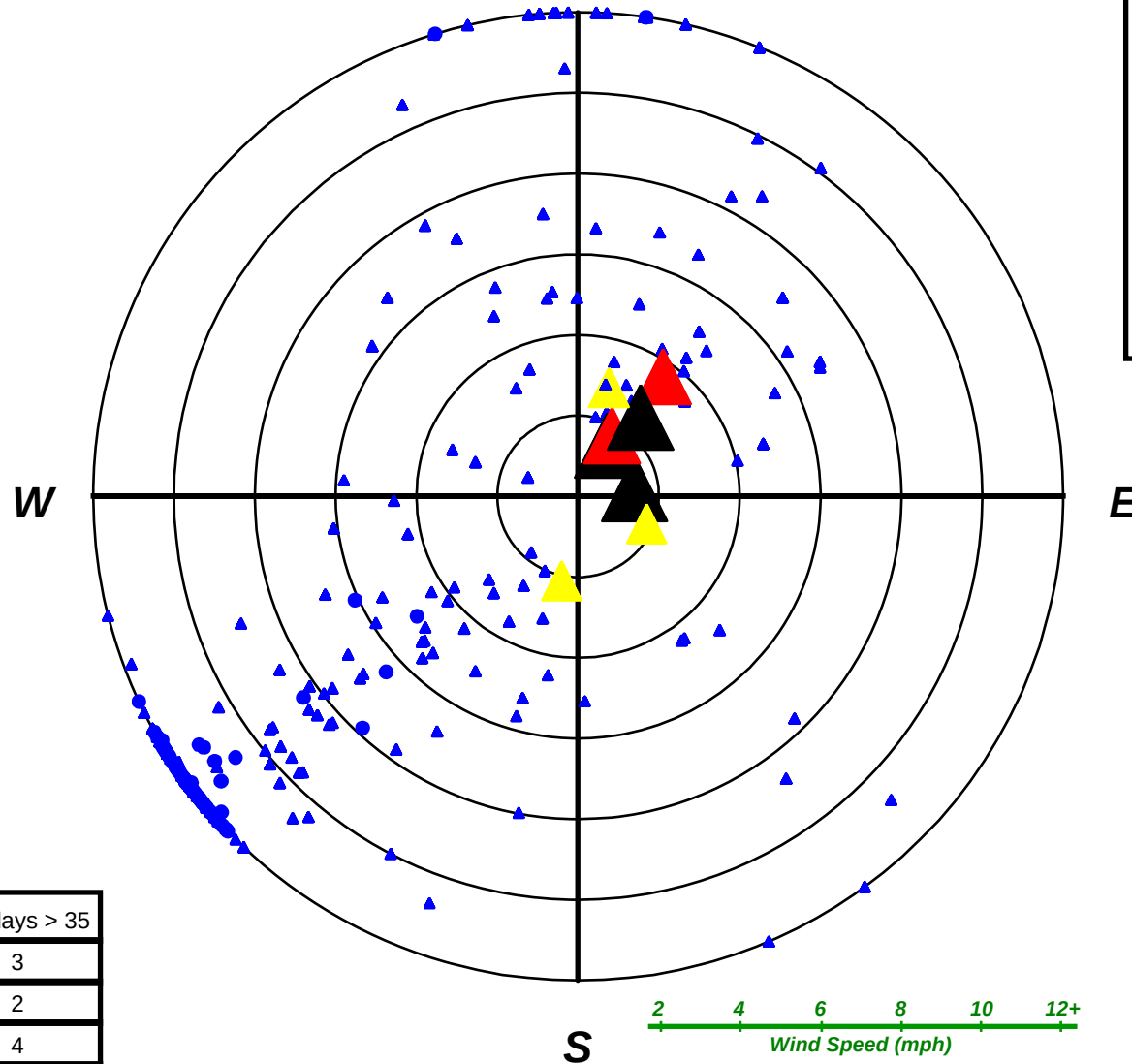
Year	98th %-ile	# days > 35
2005	21.7	.
2006	12.5	.
2007	15.7	.
Design Value	17-inc-a	

No exceedances

Meteorological data from 26.6 miles away
SAN_JOSE_INTL_AP (ID=23293)

**San Francisco Bay Area, CA [Solano County, CA]
Pollution Rose, 2005-2007**

Site 060950004



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	35.6	3
2006	34.3	2
2007	38.6	4
Design Value	36-NA	

4 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 20.1 miles away
TRAVIS_FIELD_AFB (ID=23202)*

**San Francisco Bay Area, CA [Sonoma County, CA]
Pollution Rose, 2005-2007**

Site 060970003

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

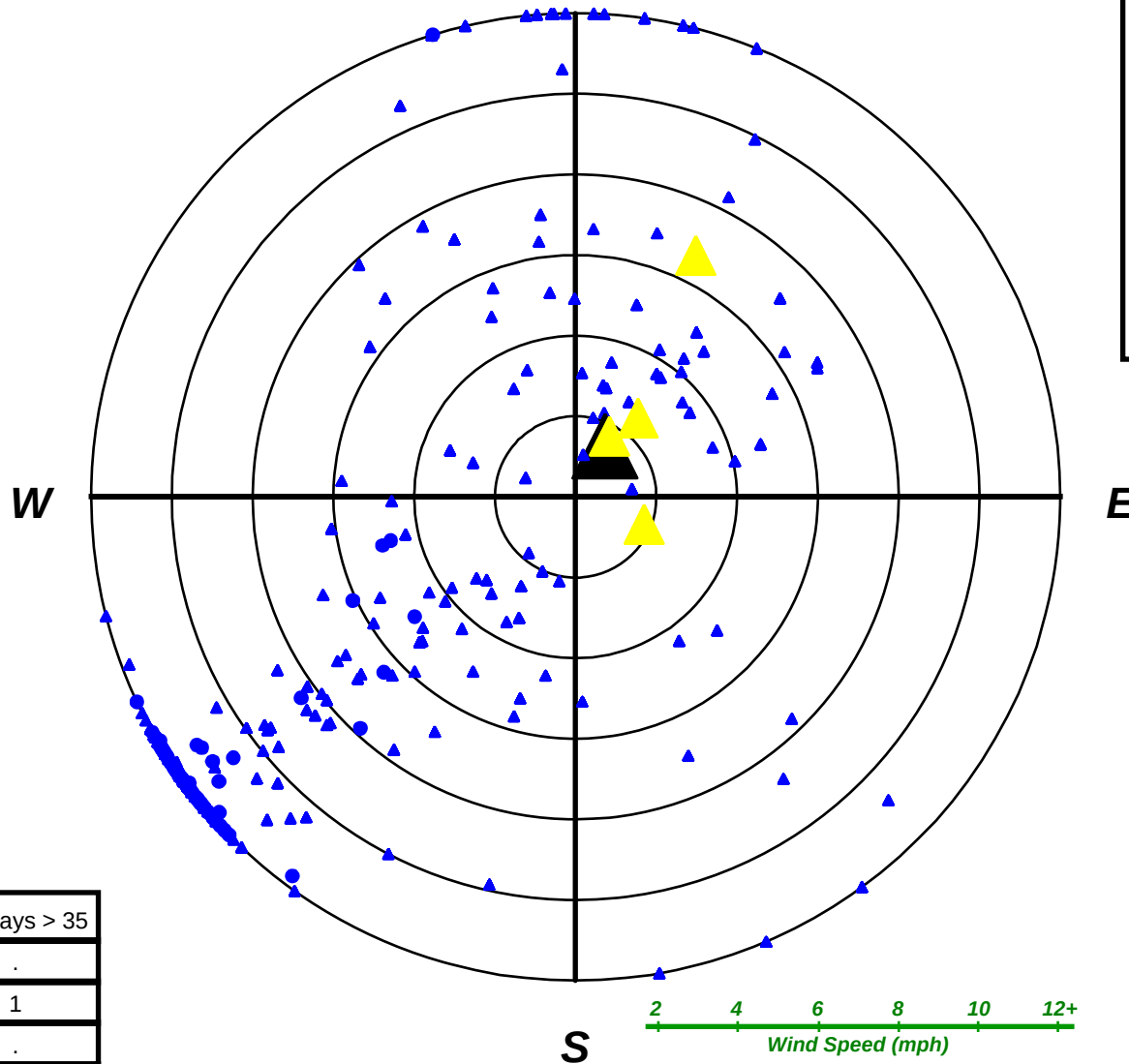
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



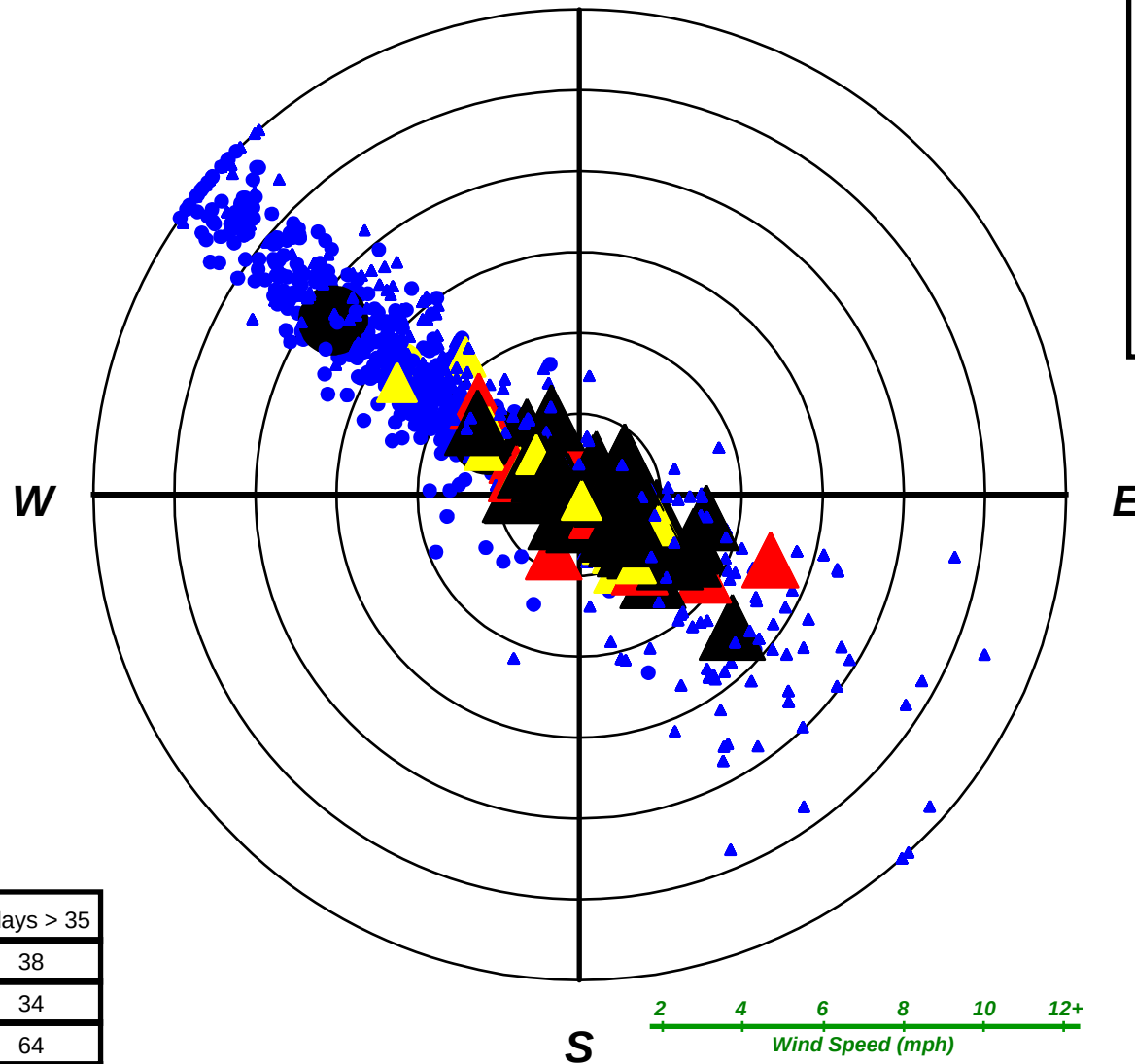
Year	98th %-ile	# days > 35
2005	29.7	.
2006	31.2	1
2007	30.2	.
Design Value	30-A	

All exceedances plotted

Meteorological data from 43.8 miles away
TRAVIS_FIELD_AFB (ID=23202)

**San Joaquin Valley, CA [Fresno County, CA]
Pollution Rose, 2005-2007**

Site 060190008



Year	98th %-ile	# days > 35
2005	71.0	38
2006	51.0	34
2007	67.0	64
Design Value	63-NA	

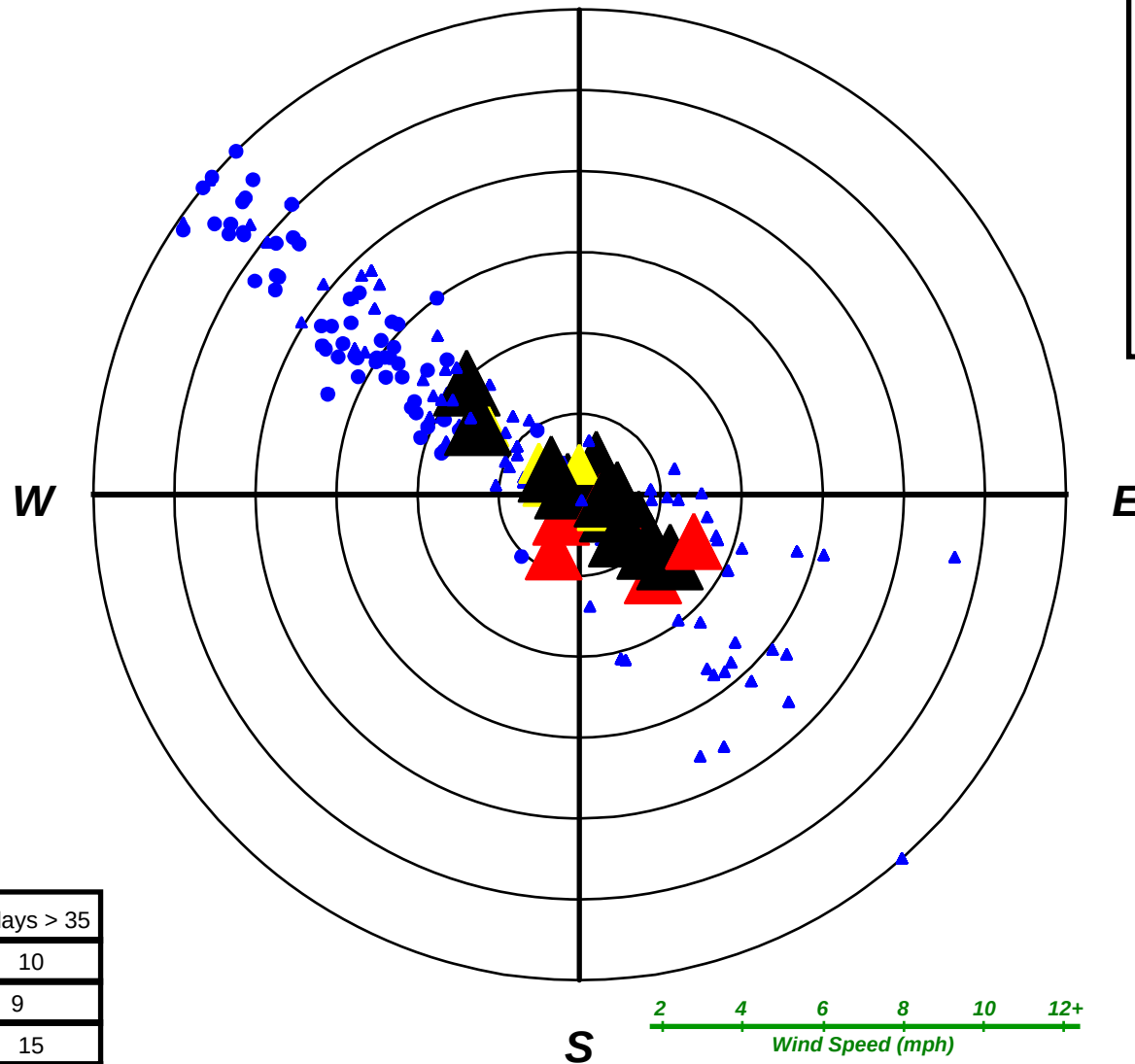
57 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

*Meteorological data from 3.1 miles away
FRESNO_YOSEMITE_INTL_AP (ID=93193)*

**San Joaquin Valley, CA [Fresno County, CA]
Pollution Rose, 2005-2007**

Site 060195001



Year	98th %-ile	# days > 35
2005	63.0	10
2006	51.3	9
2007	60.9	15
Design Value	58-NA	

15 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.5 miles away
FRESNO_YOSEMITE_INTL_AP (ID=93193)

San Joaquin Valley, CA [Fresno County, CA]
Pollution Rose, 2005-2007

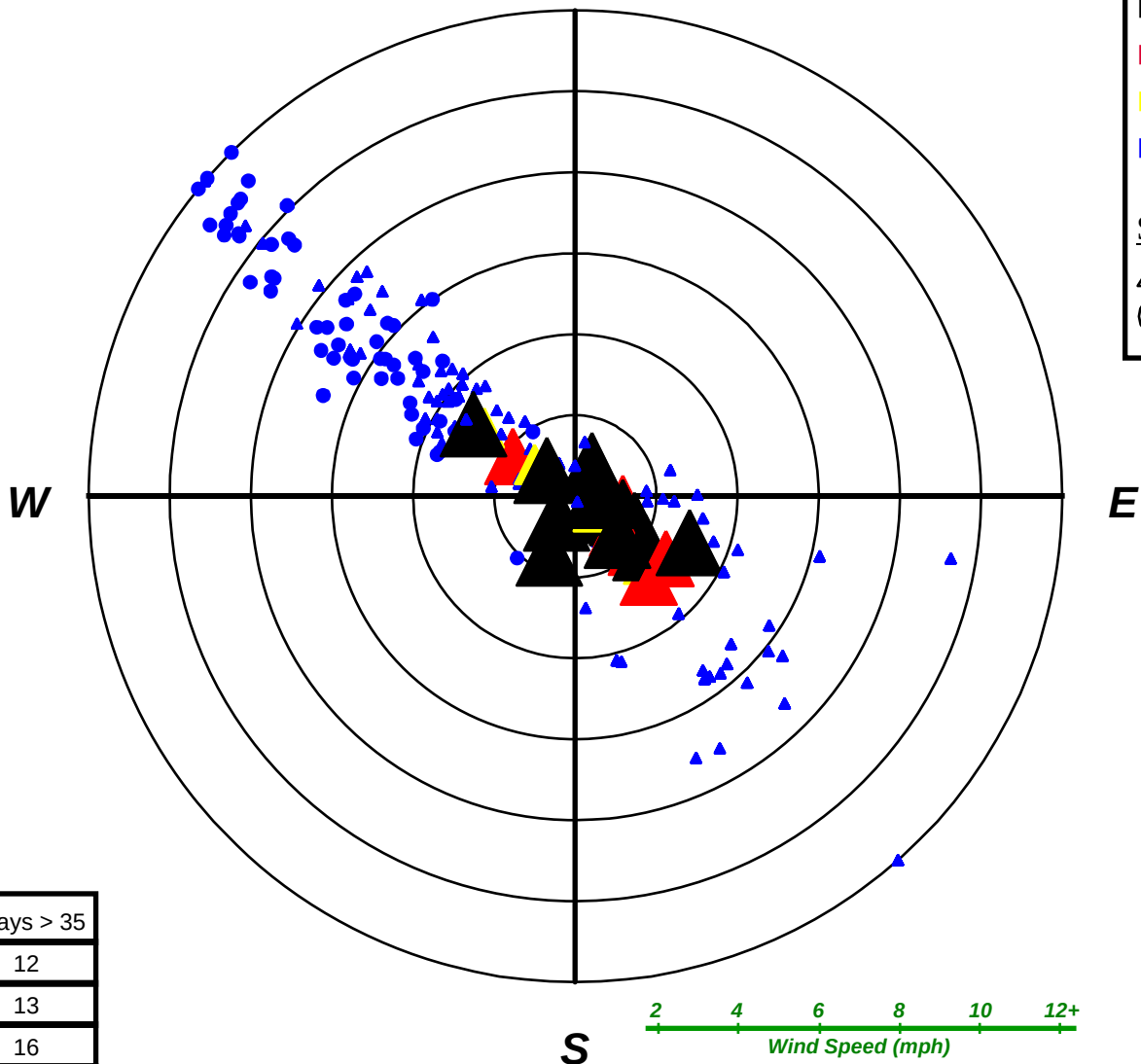
Site 060195025

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



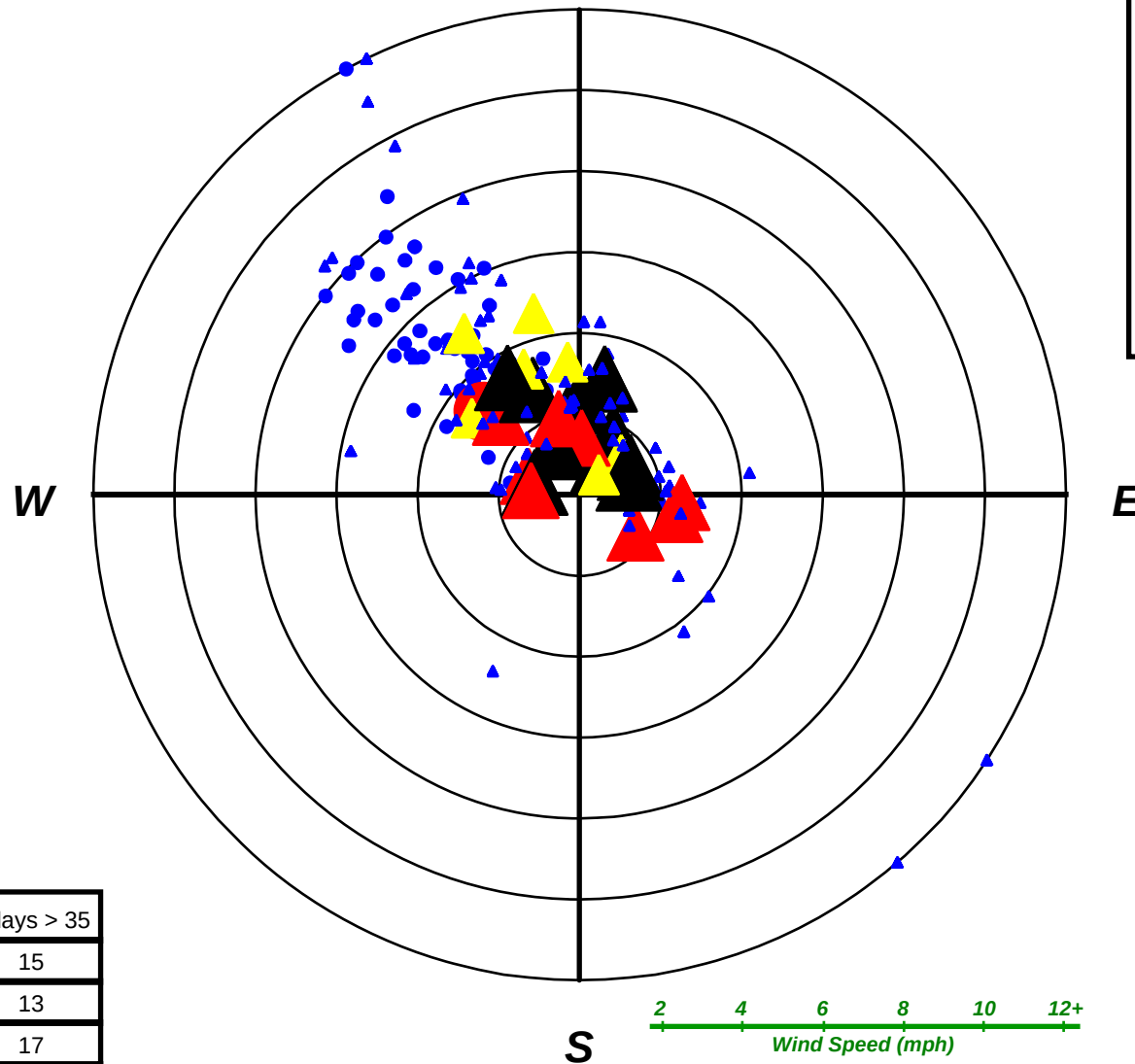
Year	98th %-ile	# days > 35
2005	71.2	12
2006	55.0	13
2007	57.4	16
Design Value	61-NA	

19 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 4.0 miles away
FRESNO_YOSEMITE_INTL_AP (ID=93193)

San Joaquin Valley, CA [Kern County, CA]
Pollution Rose, 2005-2007

Site 060290010



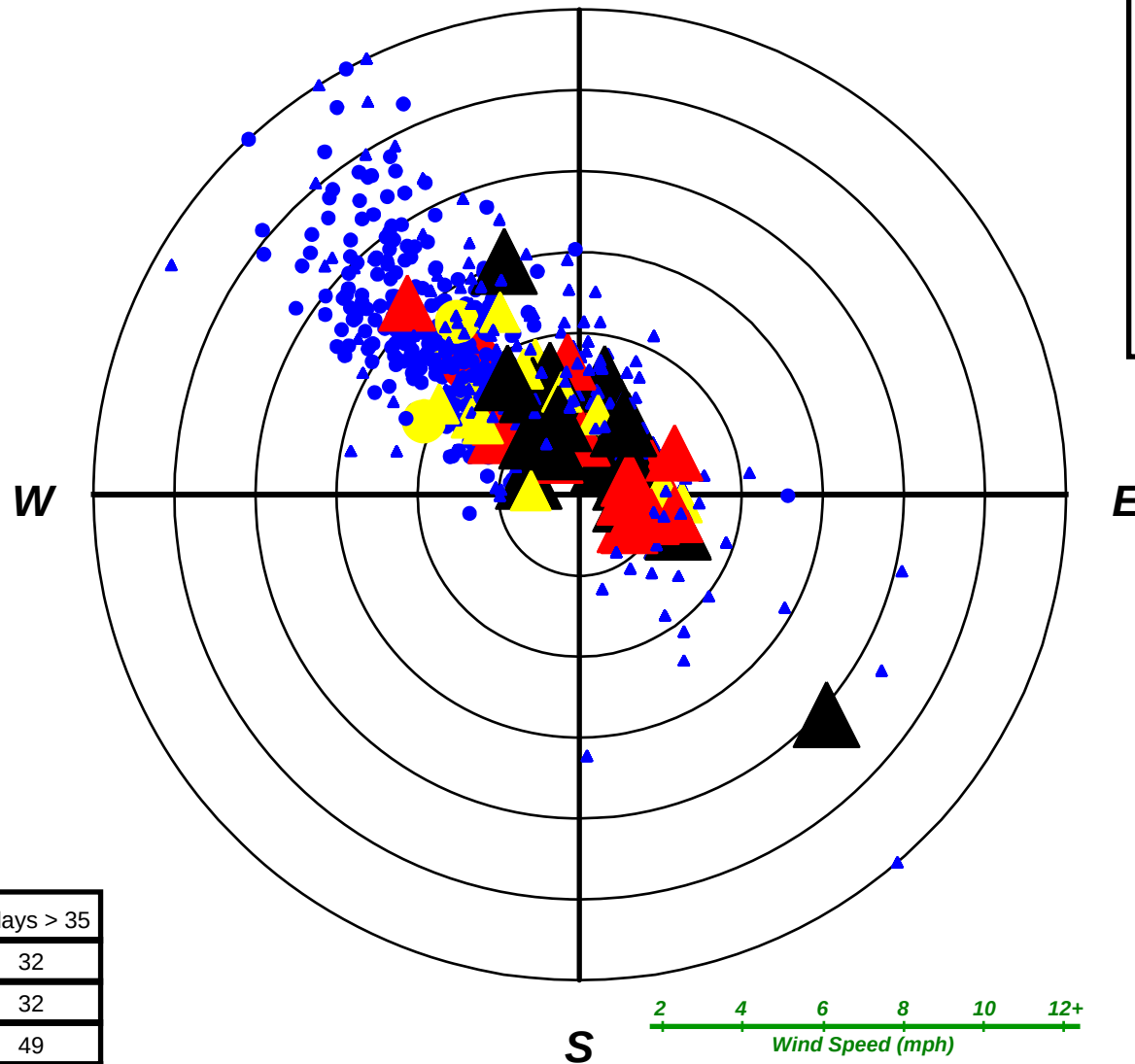
Year	98th %-ile	# days > 35
2005	74.9	15
2006	64.4	13
2007	67.7	17
Design Value	69-NA	

25 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 3.8 miles away
BAKERSFIELD_MEADOWS_FIELD (ID=23155)

San Joaquin Valley, CA [Kern County, CA]
Pollution Rose, 2005-2007

Site 060290014



Year	98th %-ile	# days > 35
2005	63.2	32
2006	60.5	32
2007	73.0	49
Design Value	66-NA	

68 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 5.3 miles away
BAKERSFIELD_MEADOWS_FIELD (ID=23155)

San Joaquin Valley, CA [Kern County, CA]
Pollution Rose, 2005-2007

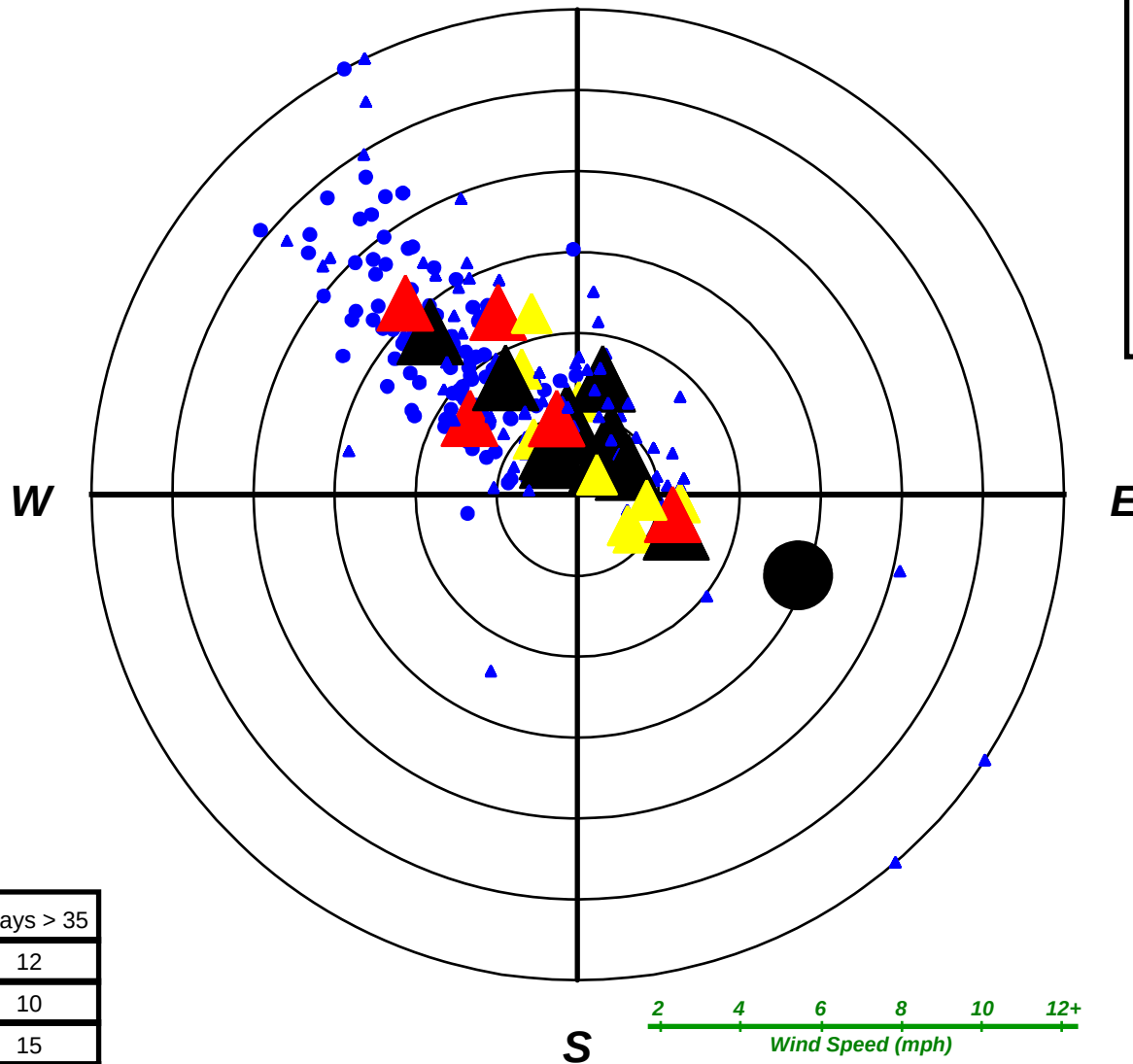
Site 060290016

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



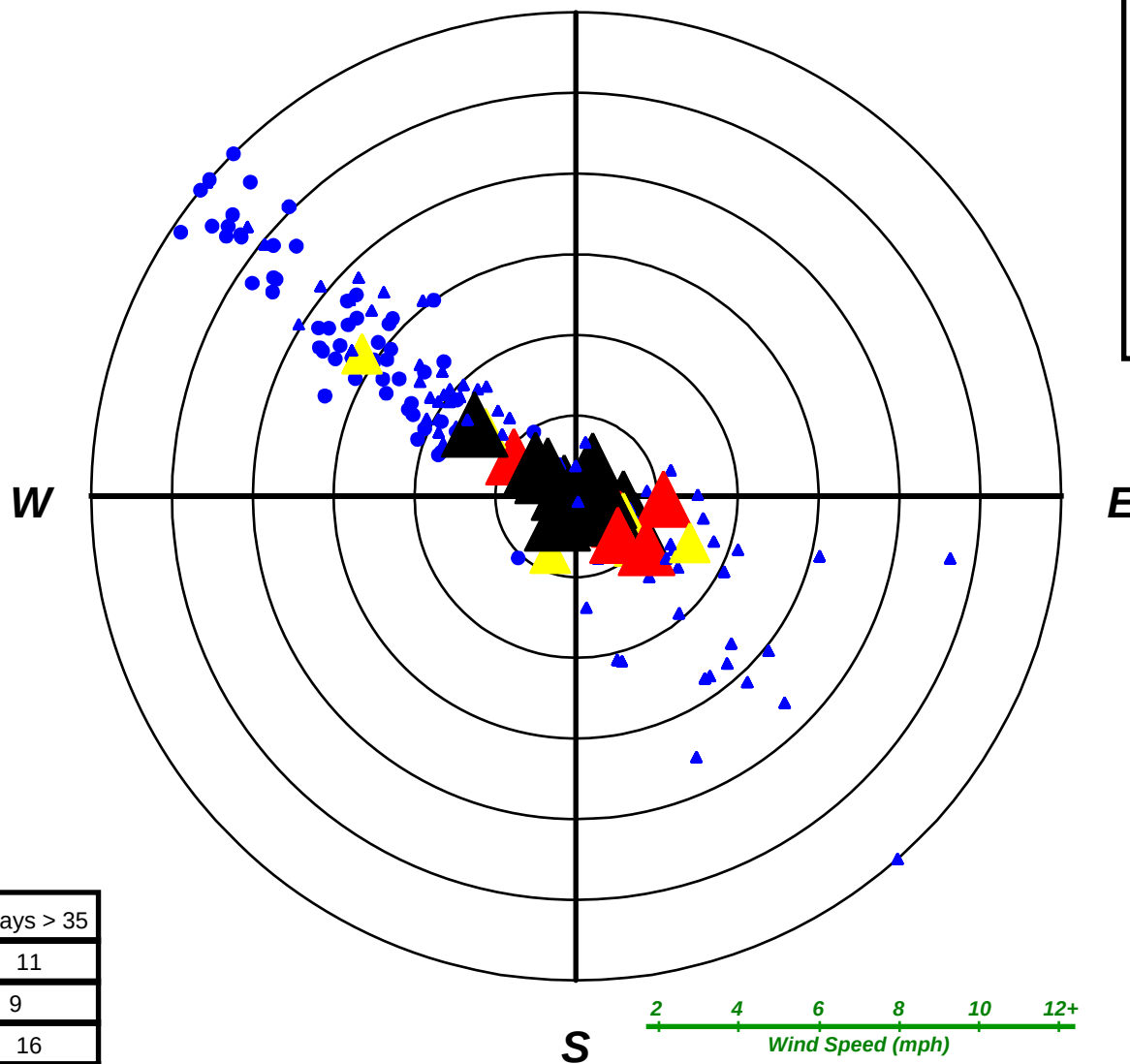
Year	98th %-ile	# days > 35
2005	66.4	12
2006	64.7	10
2007	72.2	15
Design Value	68-NA	

20 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 8.0 miles away
BAKERSFIELD_MEADOWS_FIELD (ID=23155)

San Joaquin Valley, CA [Kings County, CA]
Pollution Rose, 2005-2007

Site 060310004



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

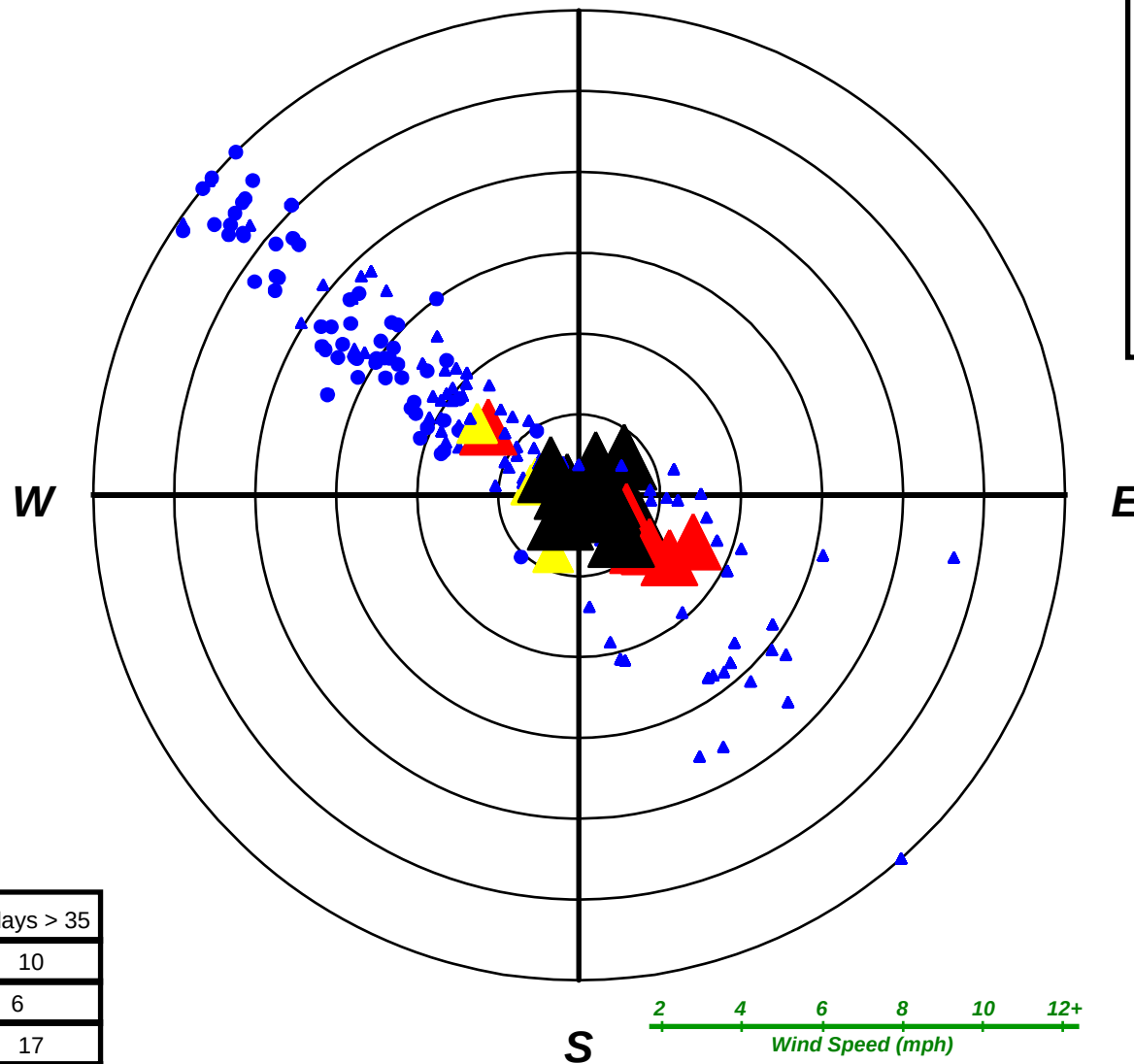
Year	98th %-ile	# days > 35
2005	74.5	11
2006	50.1	9
2007	57.9	16
Design Value	61-NA	

16 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 47.9 miles away
FRESNO_YOSEMITE_INTL_AP (ID=93193)

**San Joaquin Valley, CA [Merced County, CA]
Pollution Rose, 2005-2007**

Site 060472510



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	48.3	10
2006	43.8	6
2007	52.7	17
Design Value	48-NA	

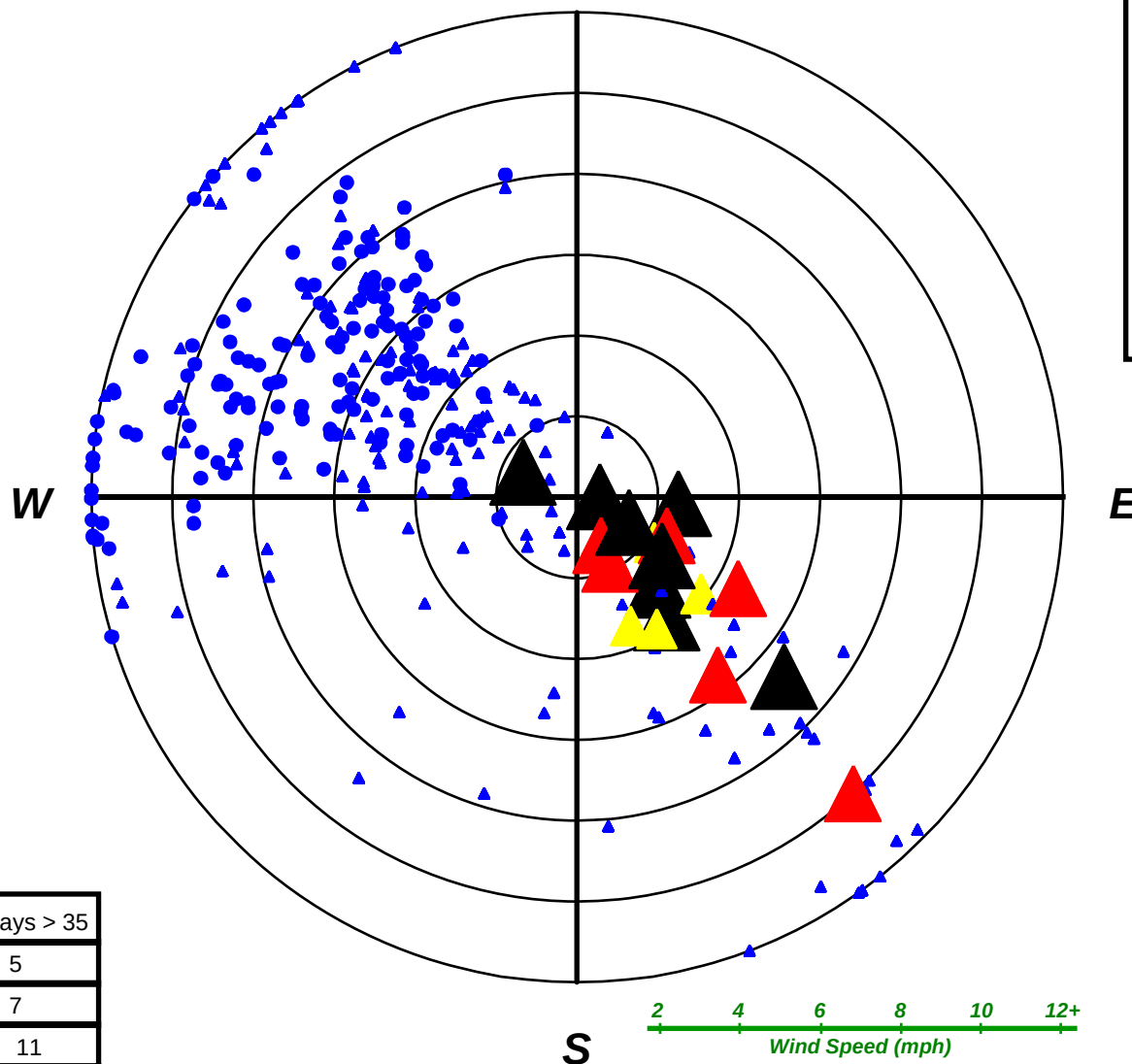
14 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 55.7 miles away
FRESNO_YOSEMITE_INTL_AP (ID=93193)

**San Joaquin Valley, CA [San Joaquin County, CA]
Pollution Rose, 2005-2007**

Site 060771002



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	44.0	5
2006	42.0	7
2007	48.0	11
Design Value	45-NA	

9 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 4.0 miles away
STOCKTON_METROPOLITAN_ARPT (ID=23237)*

San Joaquin Valley, CA [Stanislaus County, CA]
Pollution Rose, 2005-2007

Site 060990005

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

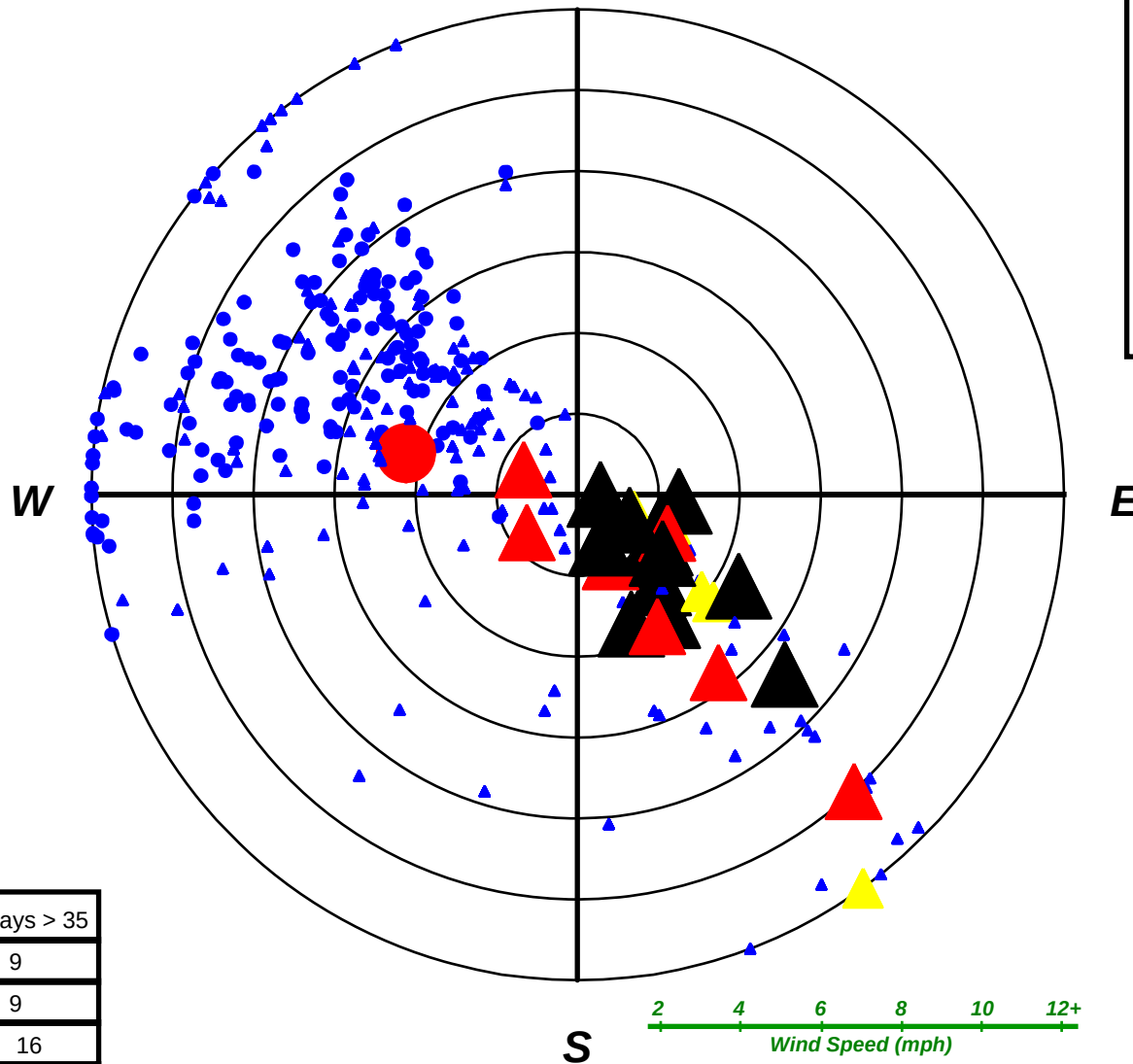
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



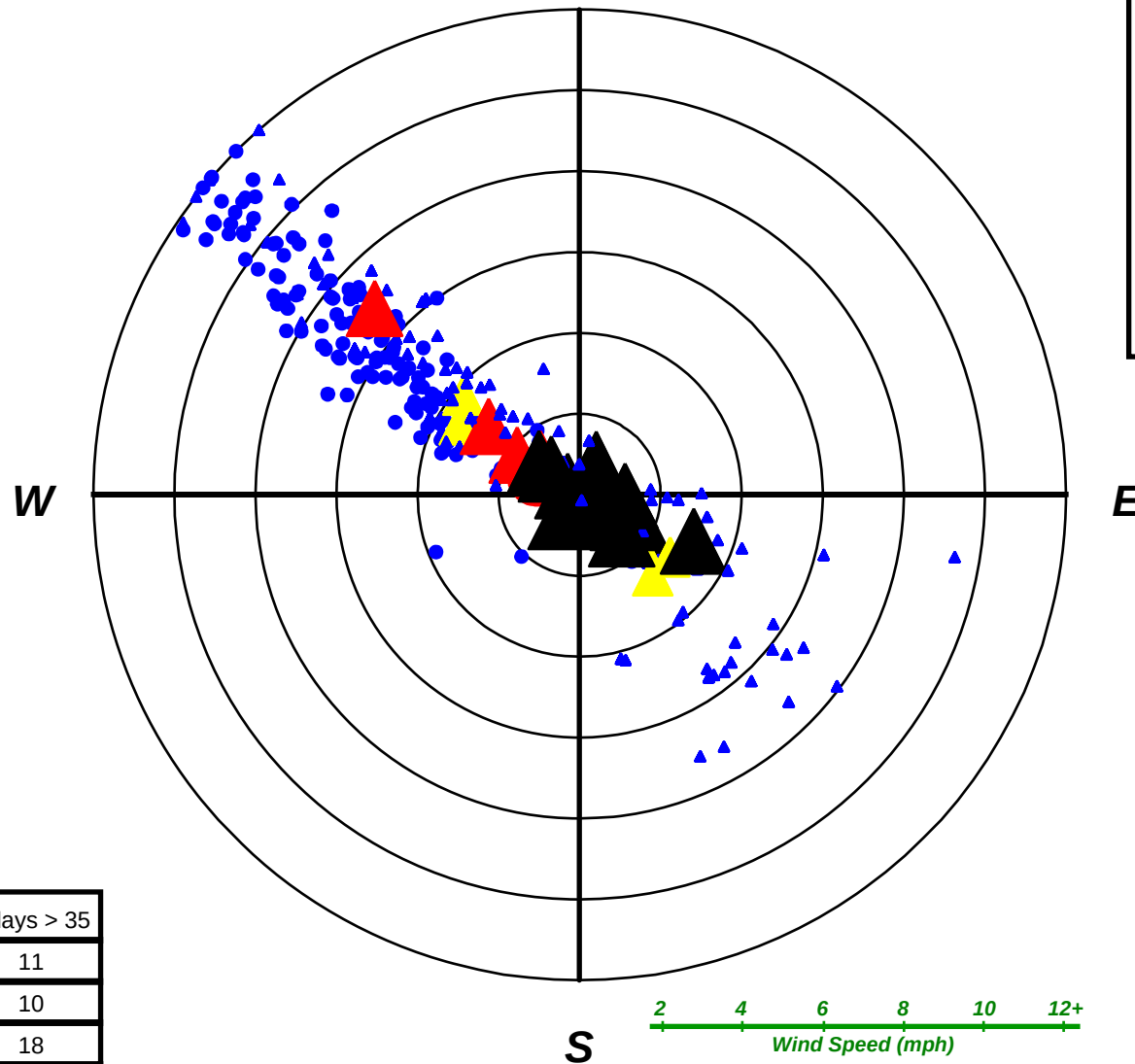
Year	98th %-ile	# days > 35
2005	55.0	9
2006	52.0	9
2007	57.4	16
Design Value	55-NA	

13 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 22.1 miles away
STOCKTON_METROPOLITAN_ARPT (ID=23237)

San Joaquin Valley, CA [Tulare County, CA]
Pollution Rose, 2005-2007

Site 061072002



Concentration:

■ $> 40 \mu\text{g}/\text{m}^3$

■ $35 - 40 \mu\text{g}/\text{m}^3$

■ $30 - 35 \mu\text{g}/\text{m}^3$

■ $\leq 30 \mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

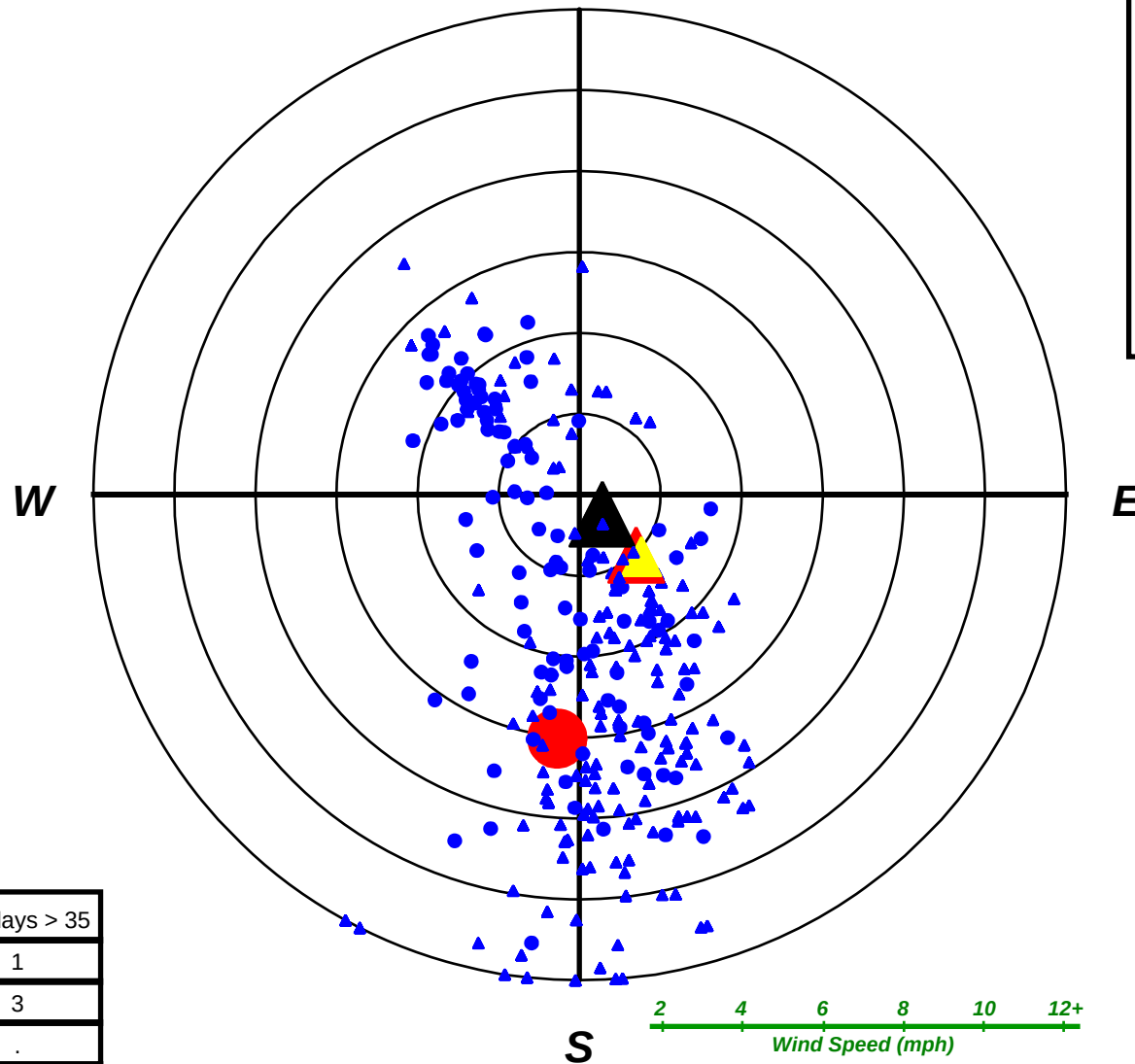
Year	98th %-ile	# days > 35
2005	65.0	11
2006	50.0	10
2007	59.7	18
Design Value	58-NA	

17 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 39.1 miles away
FRESNO_YOSEMITE_INTL_AP (ID=93193)

Seattle-Tacoma, WA [King County, WA]
Pollution Rose, 2005-2007

Site 530330024



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	25.4	1
2006	37.3	3
2007	30.3	.
Design Value	31-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 15.4 miles away
SEATTLE_BOEING_FIELD (ID=24234)

Seattle-Tacoma, WA [King County, WA]
Pollution Rose, 2005-2007

Site 530330057

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

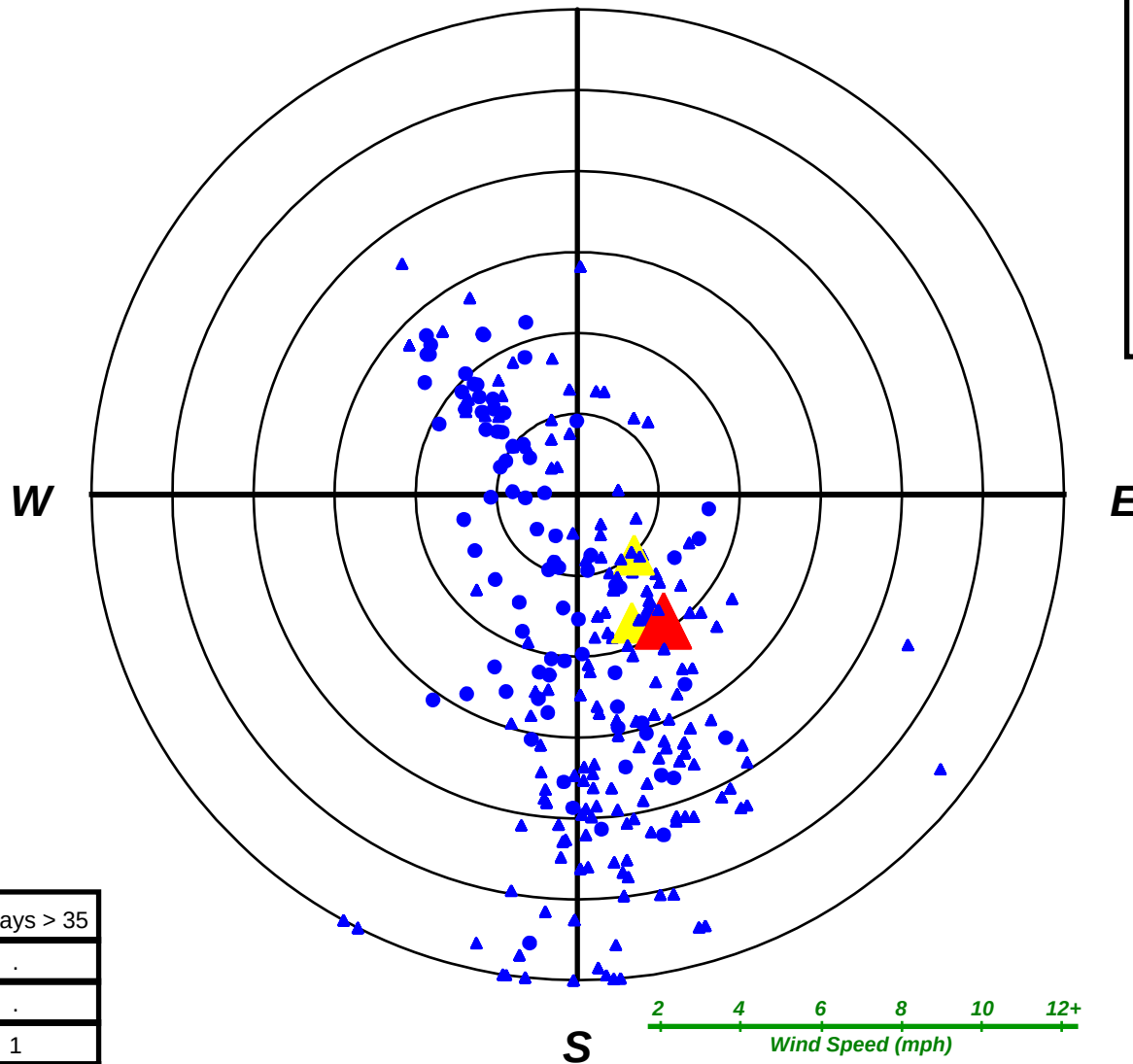
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	30.0	.
2006	33.0	.
2007	26.2	1
Design Value	30-inc-a	

All exceedances plotted

Meteorological data from 2.8 miles away
SEATTLE_BOEING_FIELD (ID=24234)

Seattle-Tacoma, WA [King County, WA]
Pollution Rose, 2005-2007

Site 530330080

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

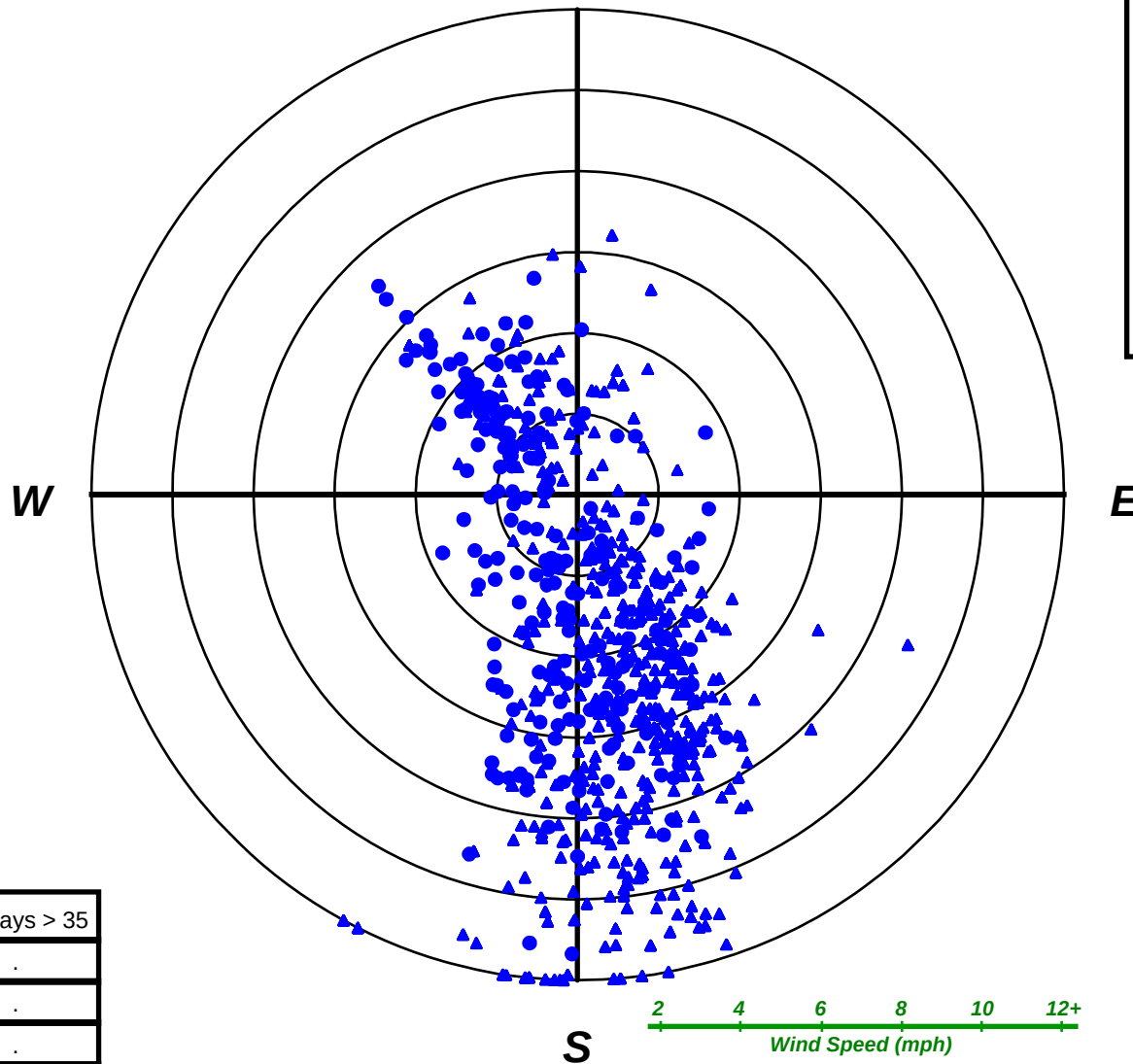
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	20.0	.
2006	23.7	.
2007	19.9	.
Design Value	21-inc-a	

No exceedances

Meteorological data from 2.5 miles away
SEATTLE_BOEING_FIELD (ID=24234)

Seattle-Tacoma, WA [Pierce County, WA]
Pollution Rose, 2005-2007

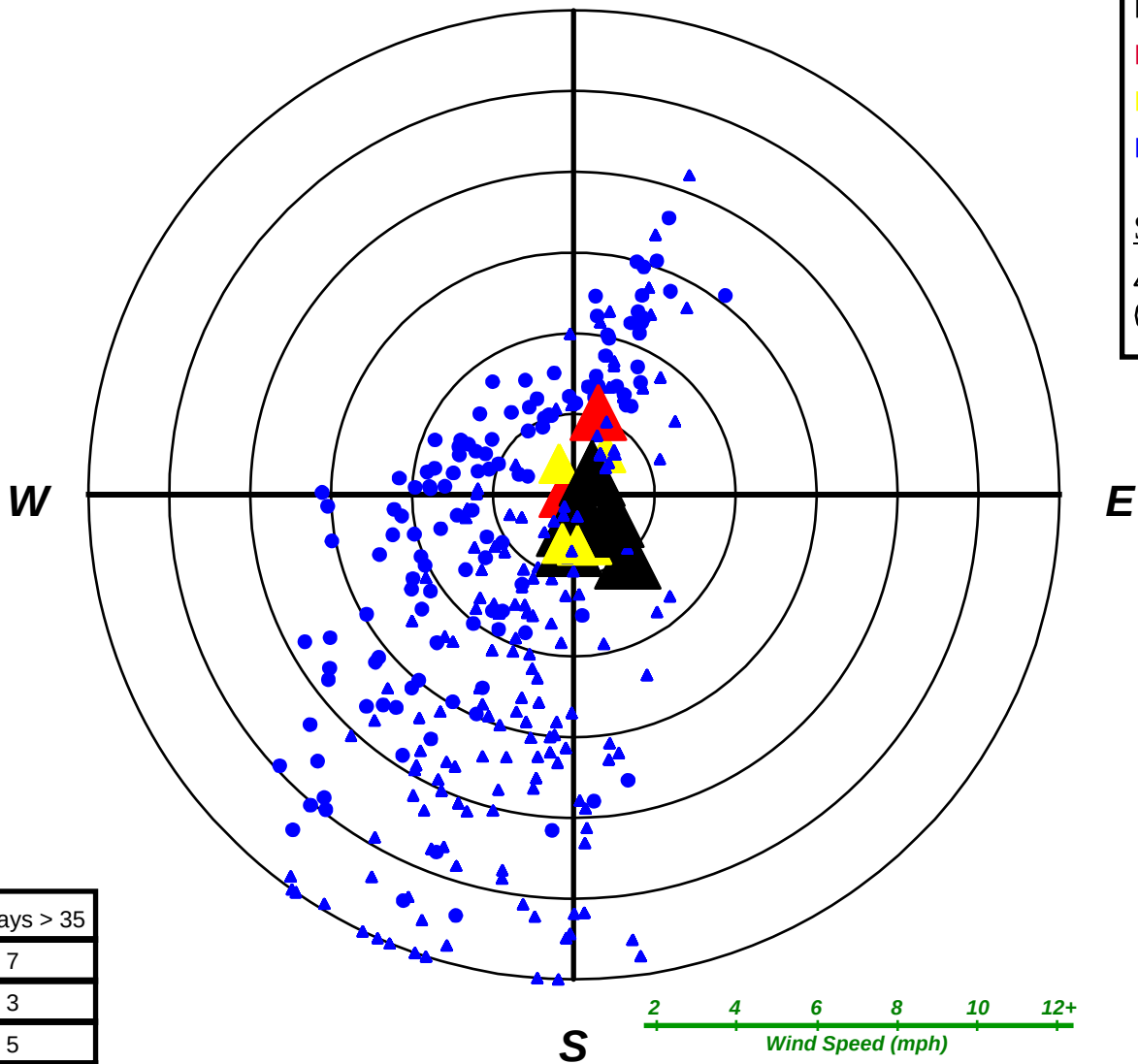
Site 530530029

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	40.5	7
2006	42.7	3
2007	45.3	5
Design Value	43-NA	

7 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 2.9 miles away
TACOMA_MCCHORD_AFB (ID=24207)

Seattle-Tacoma, WA [Snohomish County, WA]
Pollution Rose, 2005-2007

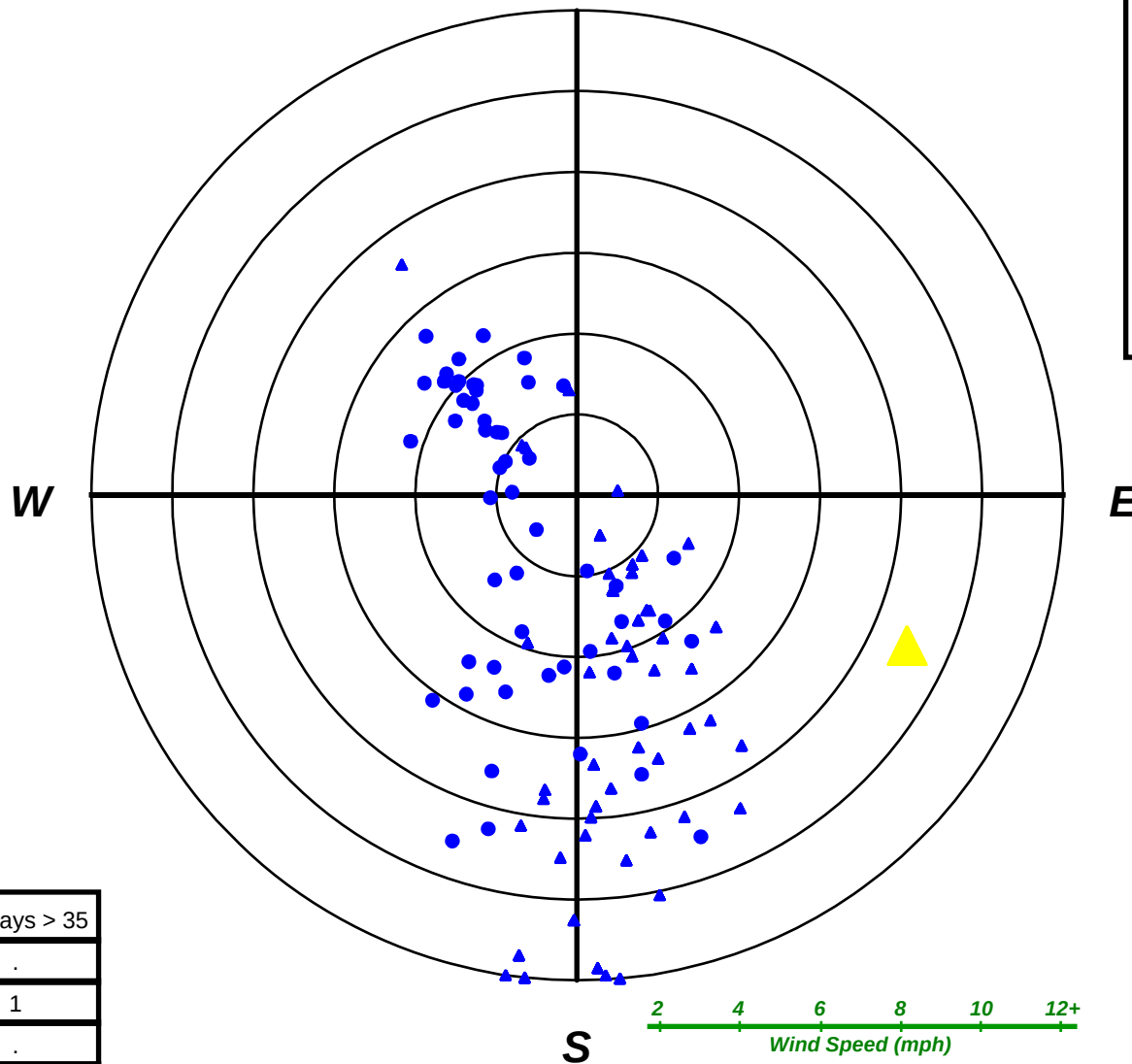
Site 530610005

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	24.8	.
2006	22.7	1
2007	.	.
Design Value	24-inc-a	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 18.9 miles away
SEATTLE_BOEING_FIELD (ID=24234)

Seattle-Tacoma, WA [Snohomish County, WA]
Pollution Rose, 2005-2007

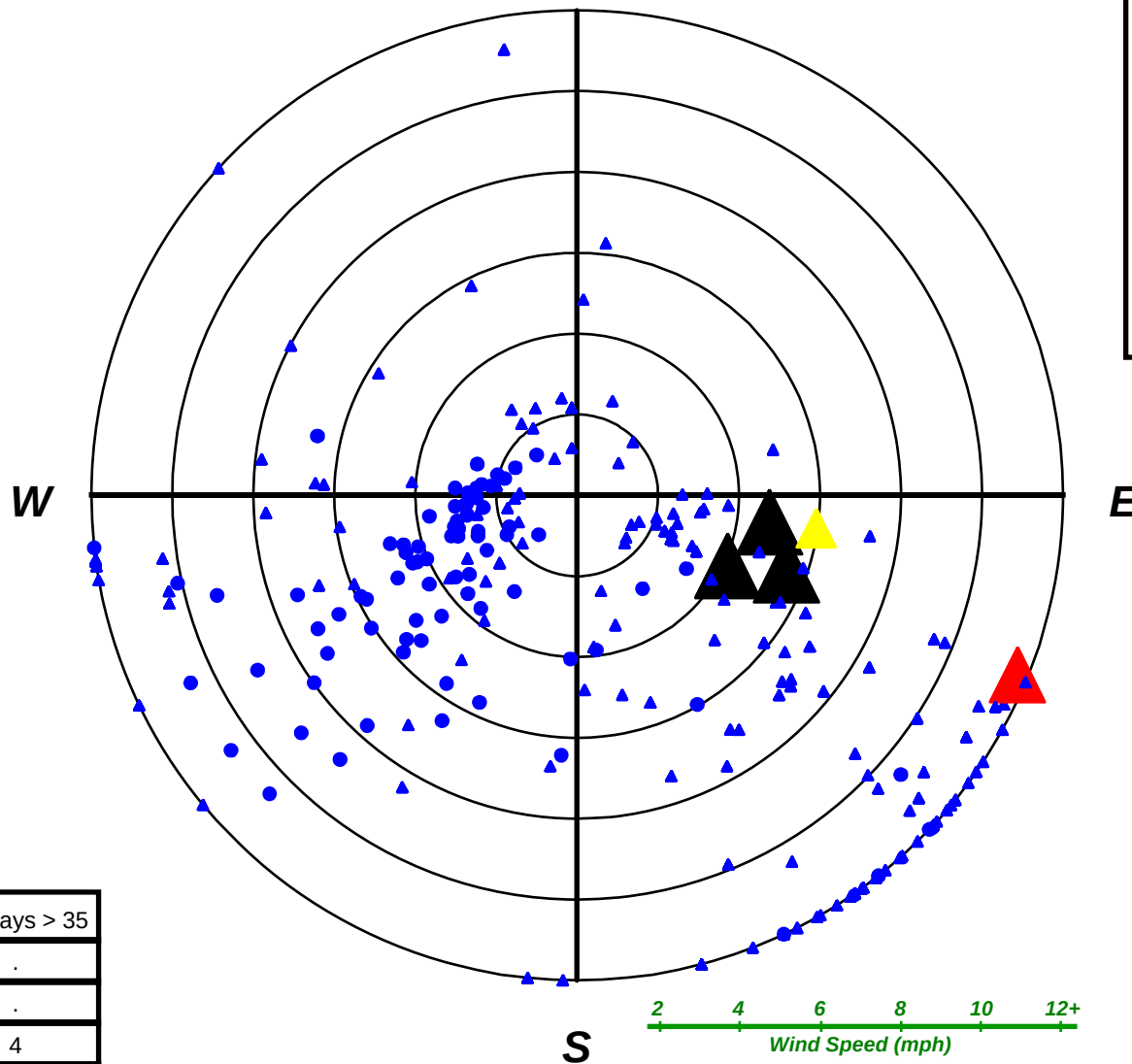
Site 530610020

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	.	.
2006	31.2	.
2007	48.0	4
Design Value	40-inc-na	

All exceedances plotted

Meteorological data from 49.4 miles away
WHIDBEY_ISLAND_NAS (ID=24255)

Seattle-Tacoma, WA [Snohomish County, WA]
Pollution Rose, 2005-2007

Site 530611007

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

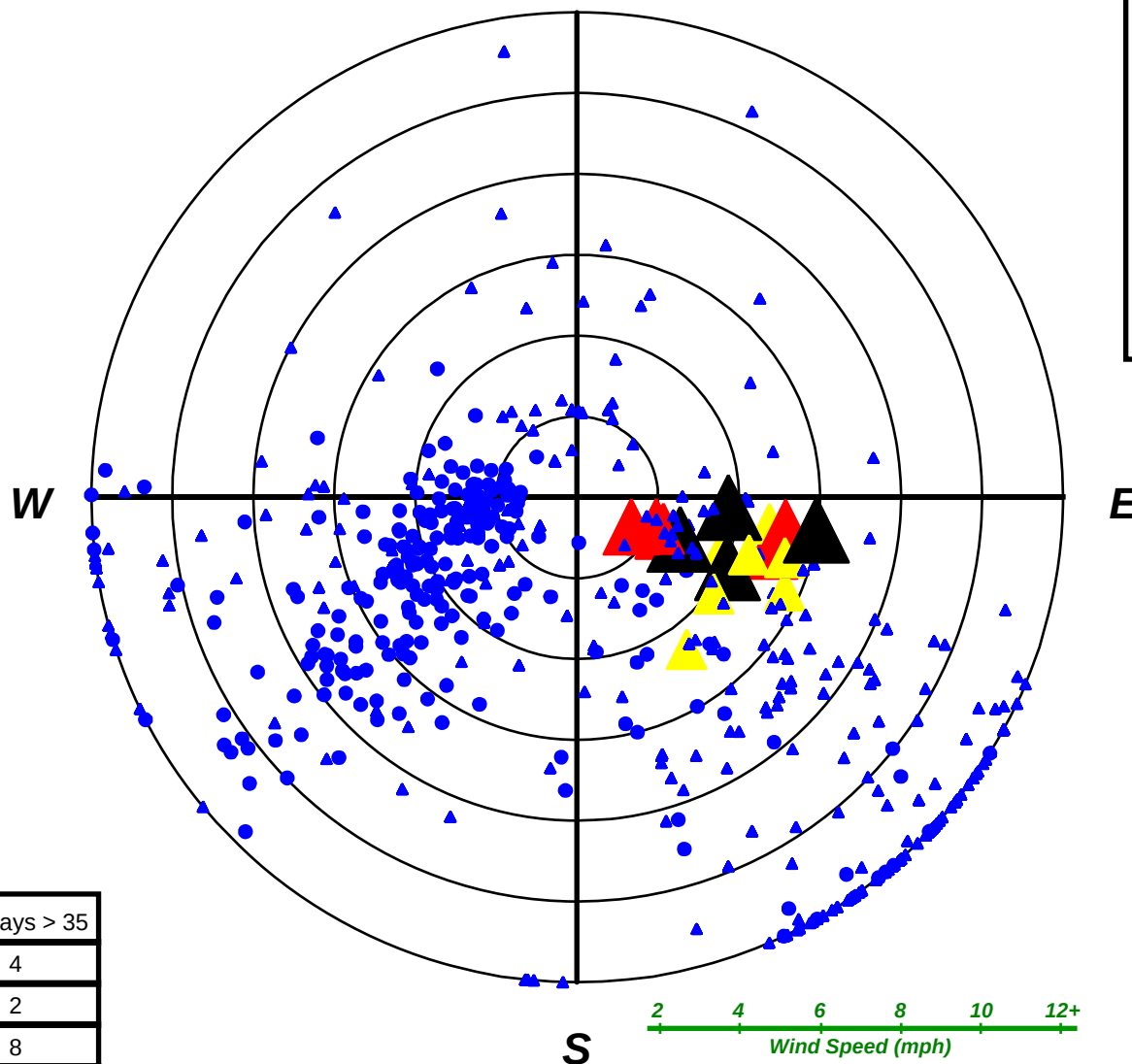
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	37.1	4
2006	32.5	2
2007	36.4	8
Design Value	35-A	

5 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 30.4 miles away
WHIDBEY_ISLAND_NAS (ID=24255)

St. Louis, MO-IL [Jersey County, IL]
Pollution Rose, 2005-2007

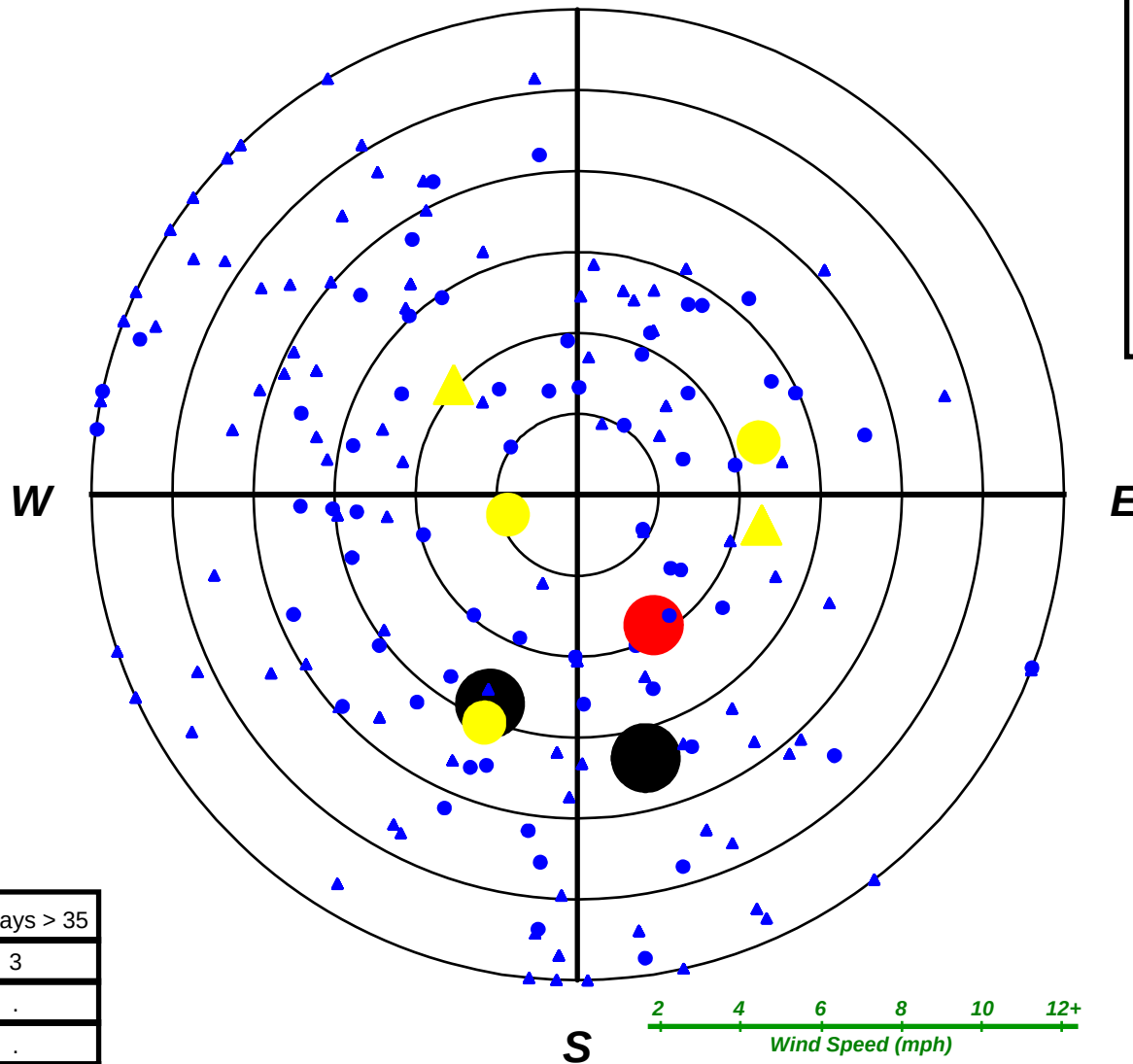
Site 170831001

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	40.9	3
2006	27.5	.
2007	31.3	.
Design Value	33-A	

All exceedances plotted

Meteorological data from 25.0 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [Madison County, IL]
Pollution Rose, 2005-2007

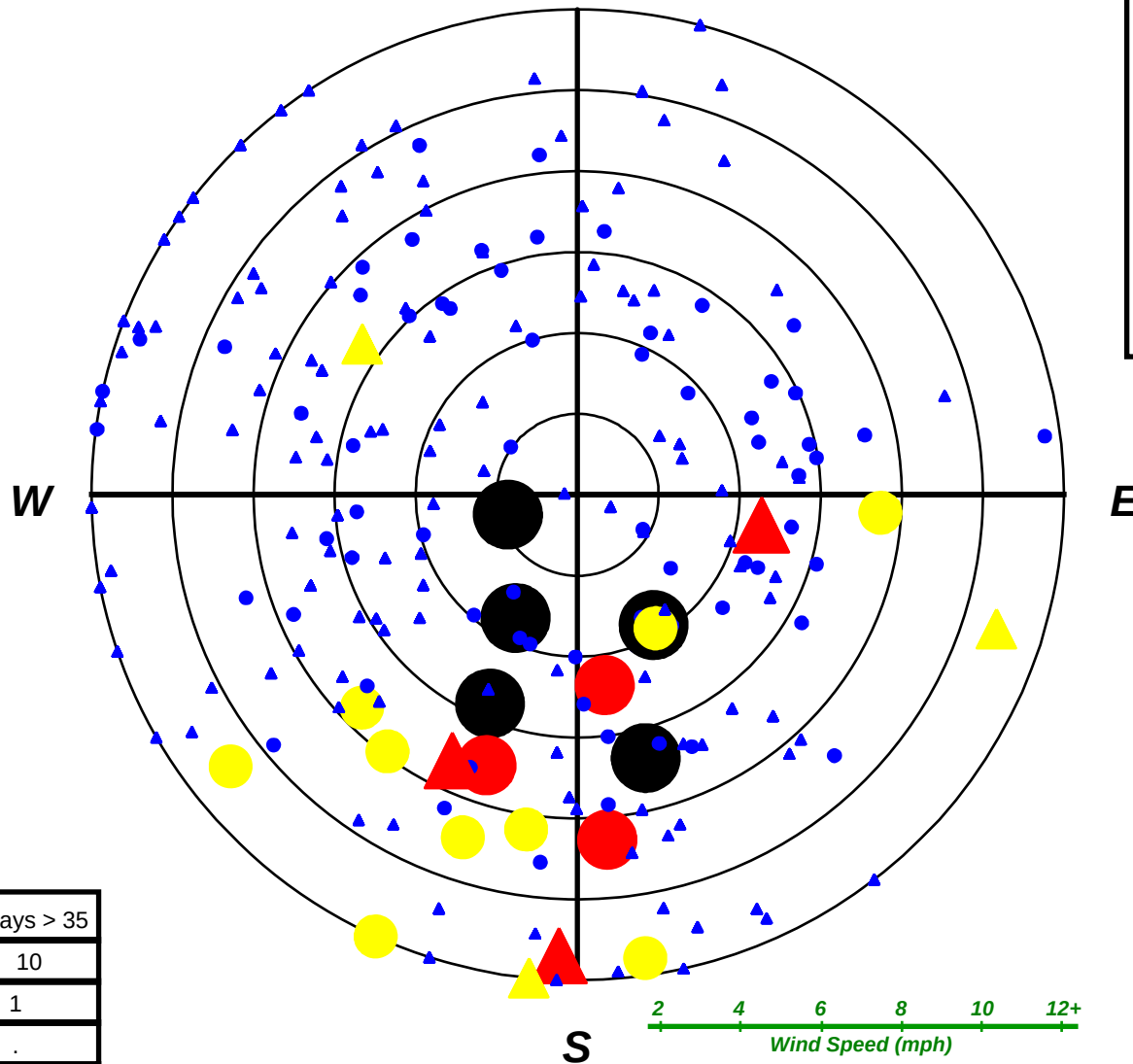
Site 171190023

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	41.2	10
2006	32.9	1
2007	.	.
Design Value	37-inc-na	

All exceedances plotted

Meteorological data from 12.5 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [Madison County, IL]
Pollution Rose, 2005-2007

Site 171190024

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

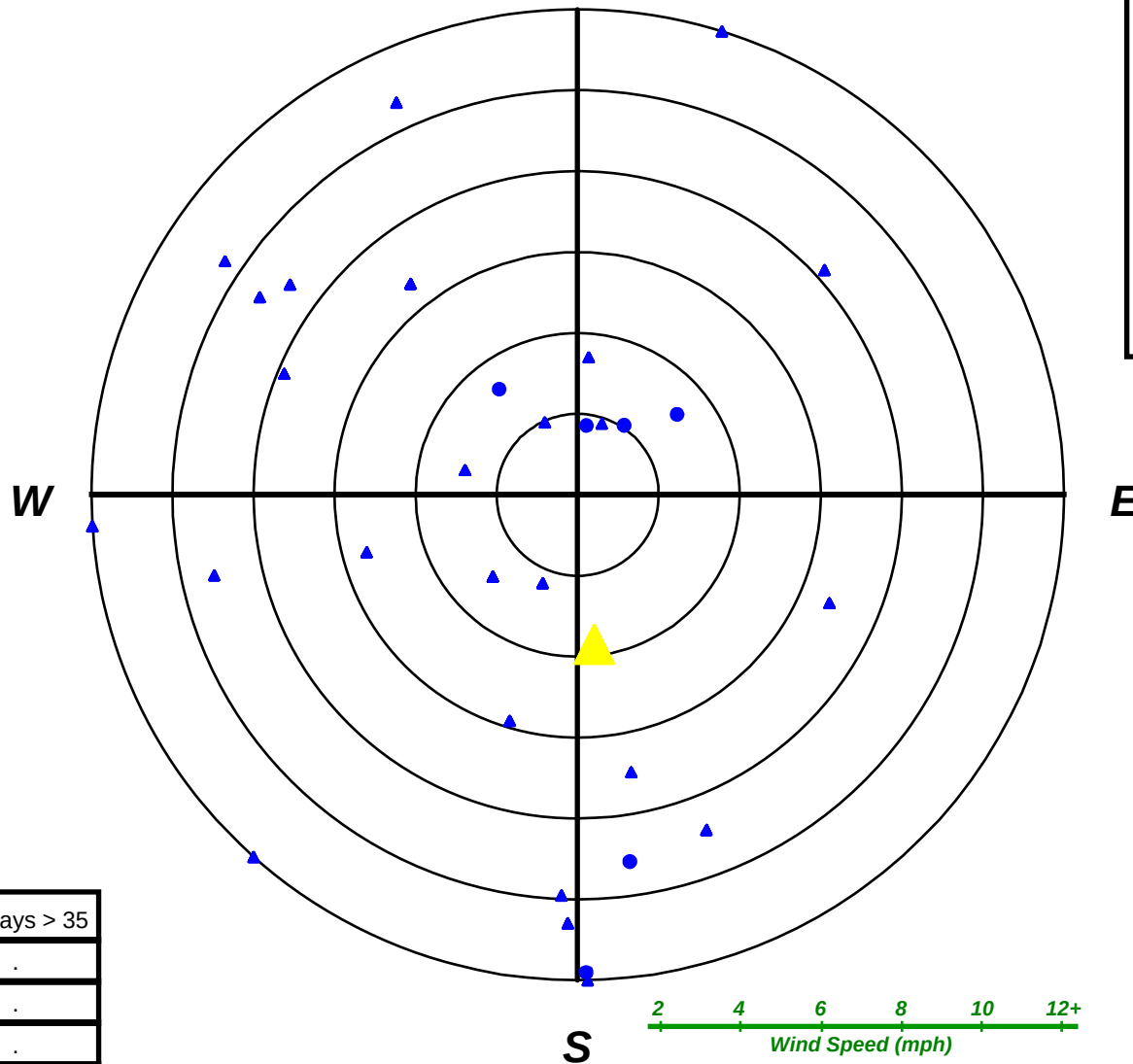
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	33.0	.
Design Value	33-inc-a	

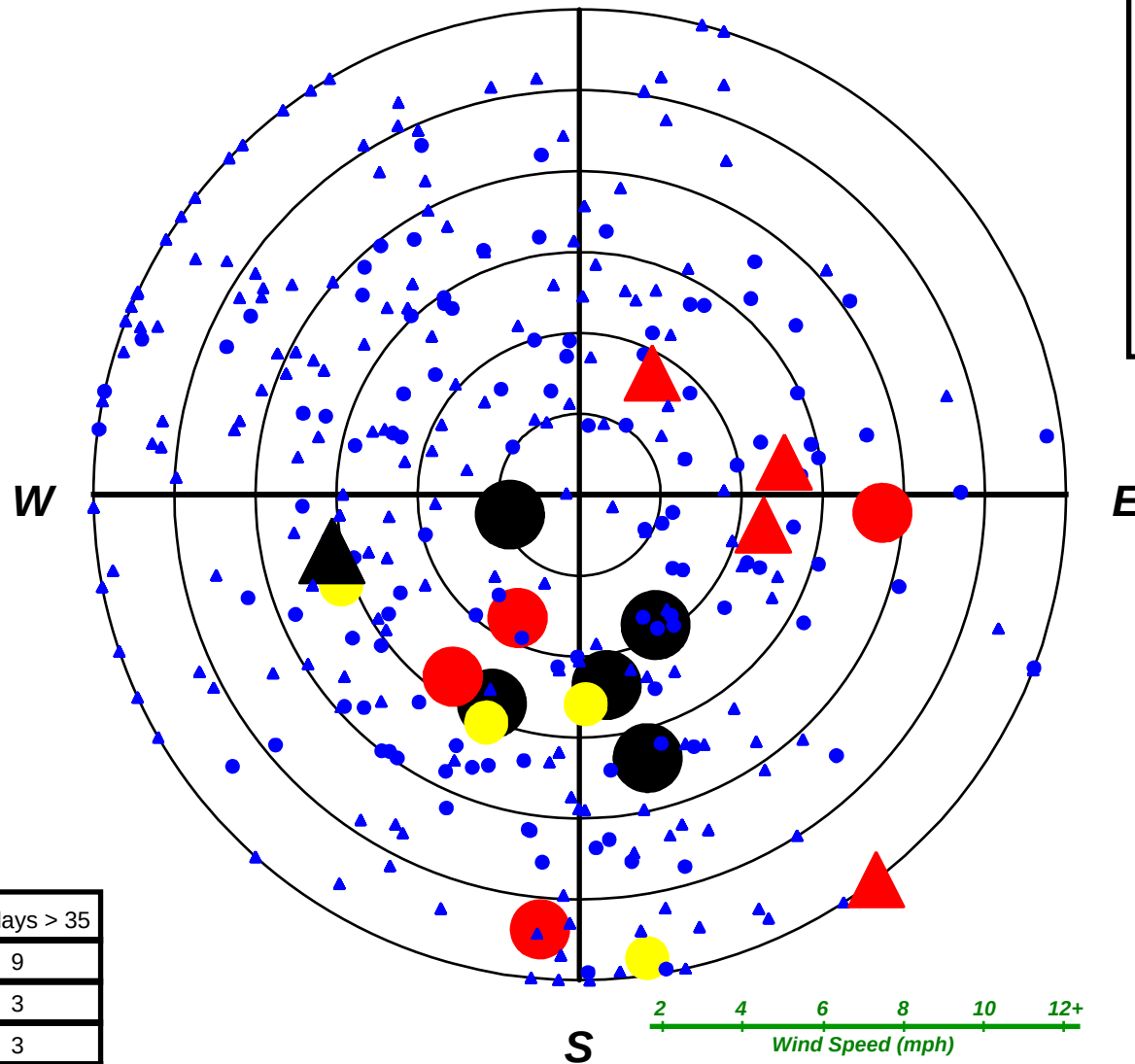
No exceedances

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 12.5 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [Madison County, IL]
Pollution Rose, 2005-2007

Site 171191007



Year	98th %-ile	# days > 35
2005	44.1	9
2006	36.3	3
2007	36.0	3
Design Value	39-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 12.7 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [Madison County, IL]
Pollution Rose, 2005-2007

Site 171192009

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

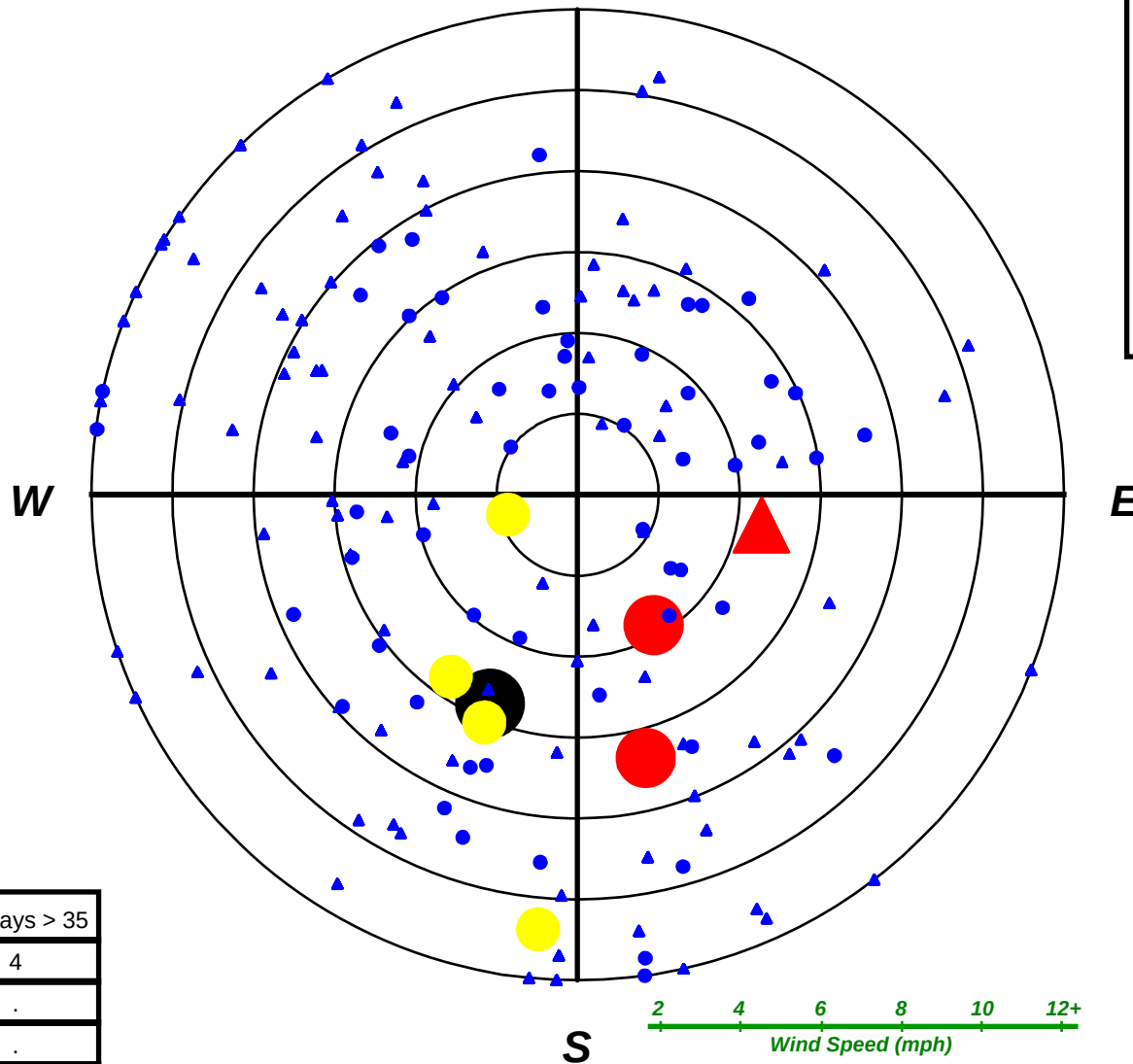
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



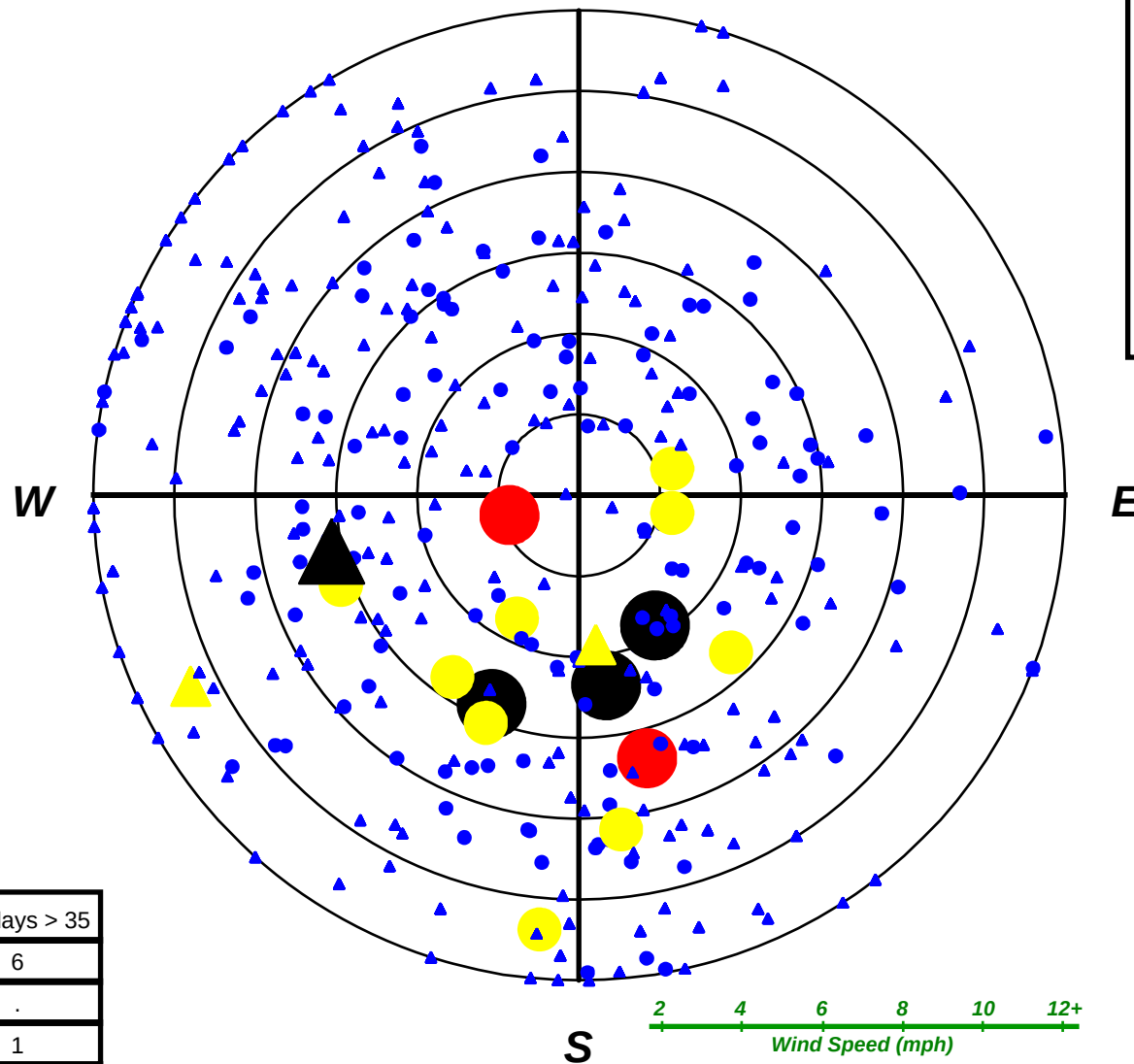
Year	98th %-ile	# days > 35
2005	45.1	4
2006	27.6	.
2007	35.0	.
Design Value	36-NA	

All exceedances plotted

Meteorological data from 16.0 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [Madison County, IL]
Pollution Rose, 2005-2007

Site 171193007



Year	98th %-ile	# days > 35
2005	41.2	6
2006	28.3	.
2007	34.5	1
Design Value	35-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 16.0 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [Saint Clair County, IL]
Pollution Rose, 2005-2007

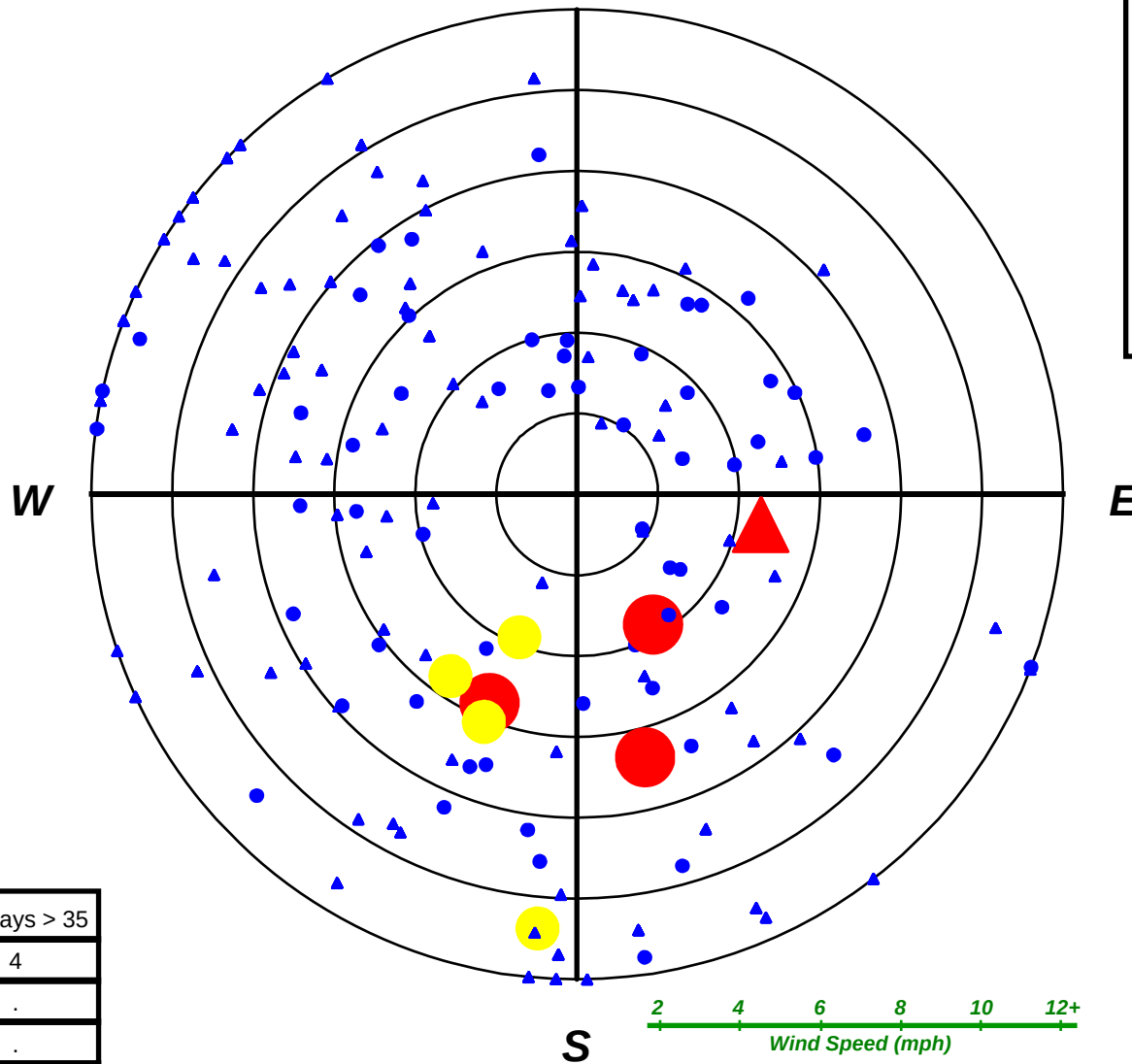
Site 171630010

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	39.6	4
2006	29.2	.
2007	33.1	.
Design Value	34-A	

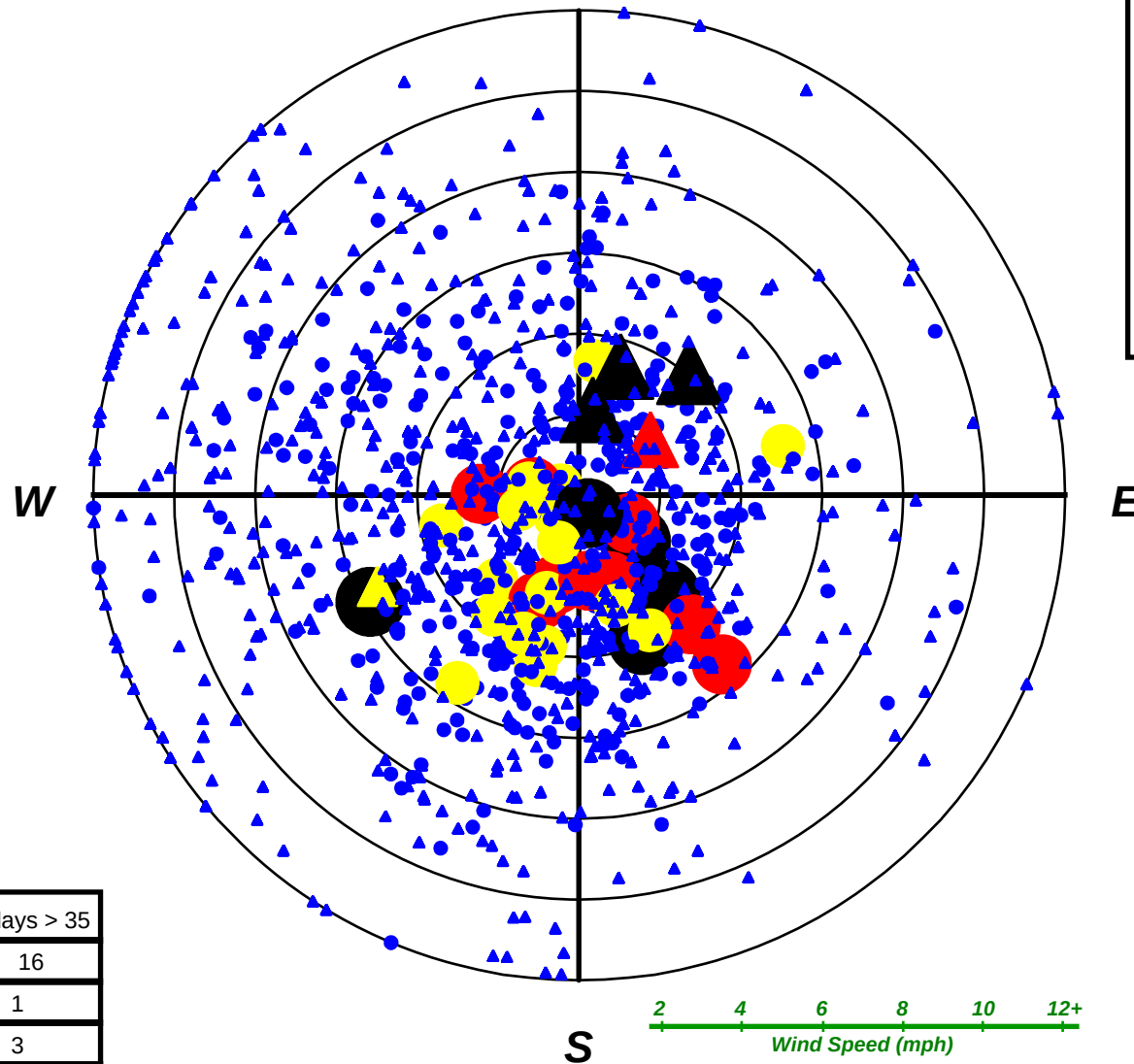
All exceedances plotted

Meteorological data from 14.7 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

*Meteorological data from 7.9 miles away
BELLEVILLE_SCOTT_AFB (ID=13802)*

St. Louis, MO-IL [Jefferson County, MO]
Pollution Rose, 2005-2007

Site 290990012



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

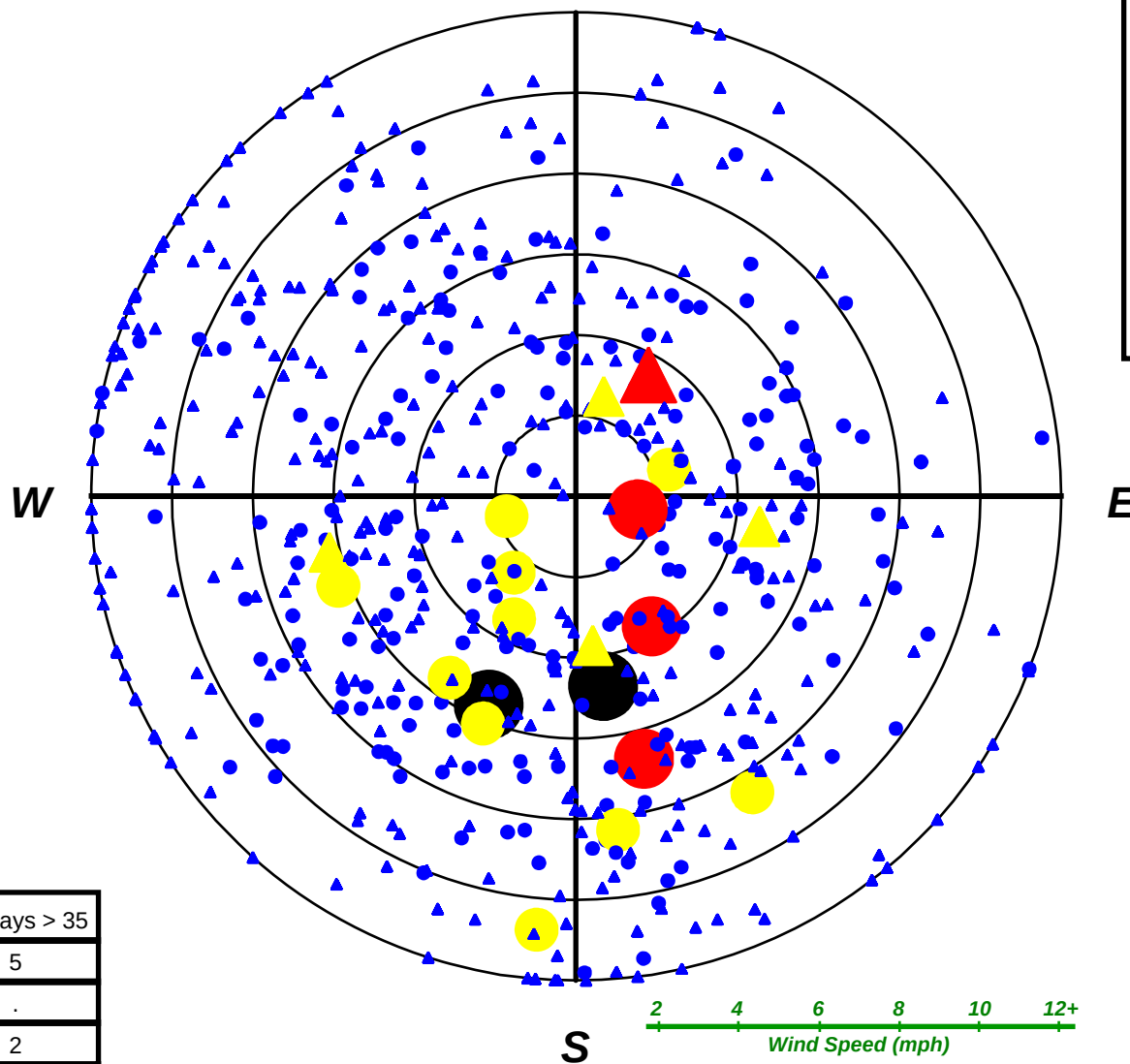
Year	98th %-ile	# days > 35
2005	39.9	16
2006	30.2	1
2007	32.6	3
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 21.4 miles away
ST_LOUIS_SPIRIT_OF_ST_LOUIS_A (ID= 3966)

St. Louis, MO-IL [Saint Charles County, MO]
Pollution Rose, 2005-2007

Site 291831002



Concentration:

■ > 40 µg/m³

■ 35 - 40 µg/m³

■ 30 - 35 µg/m³

■ ≤ 30 µg/m³

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)

Year	98th %-ile	# days > 35
2005	38.5	5
2006	27.1	.
2007	32.9	2
Design Value	33-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 11.4 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [Saint Louis County, MO]
Pollution Rose, 2005-2007

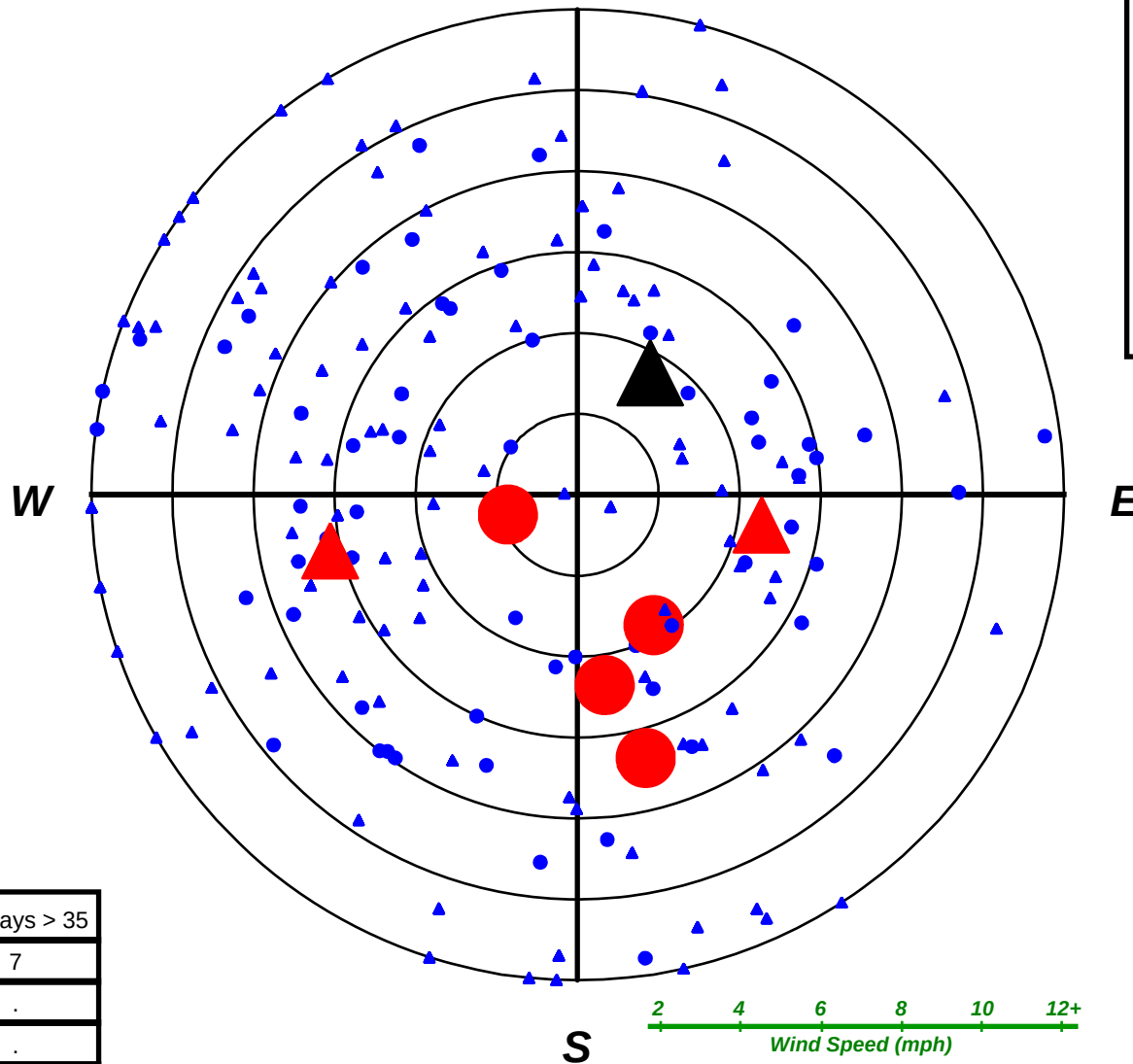
Site 291890004

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	37.7	7
2006	23.3	.
2007	.	.
Design Value	31-inc-a	

All exceedances plotted

Meteorological data from 15.1 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [Saint Louis County, MO]
Pollution Rose, 2005-2007

Site 291892003

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

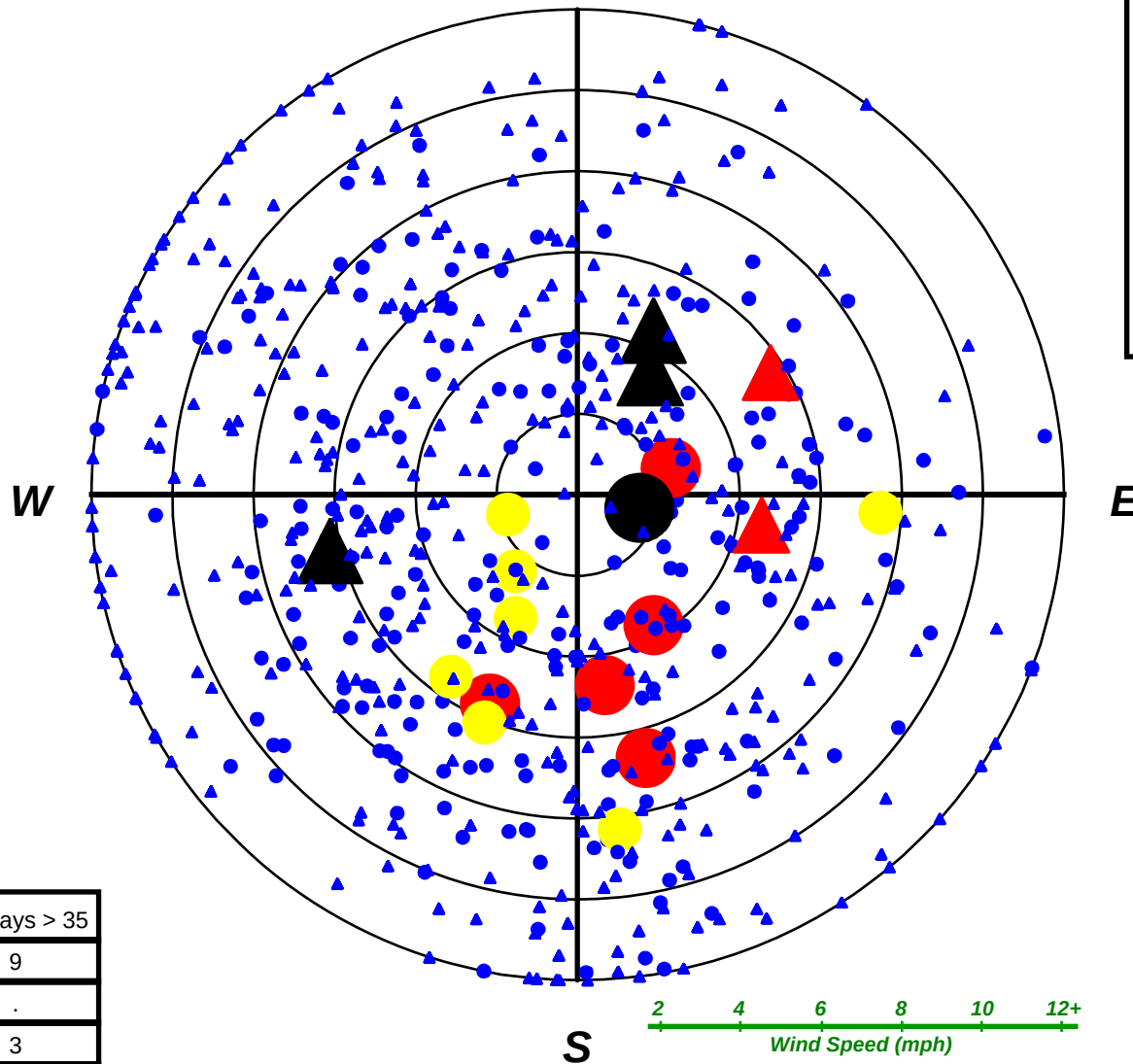
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



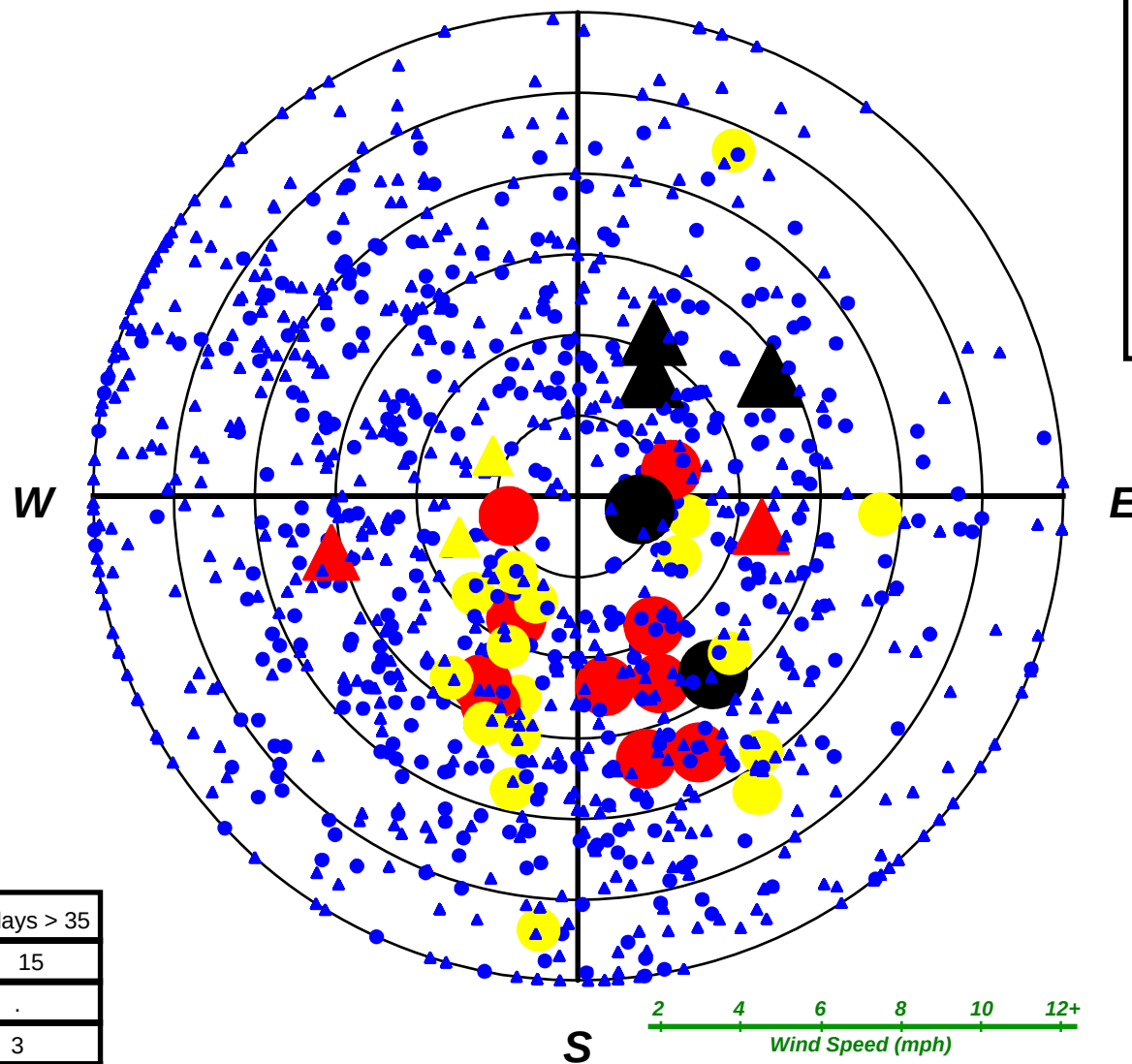
Year	98th %-ile	# days > 35
2005	43.5	9
2006	27.7	.
2007	30.3	3
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 7.0 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [St. Louis City County, MO]
Pollution Rose, 2005-2007

Site 295100007



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

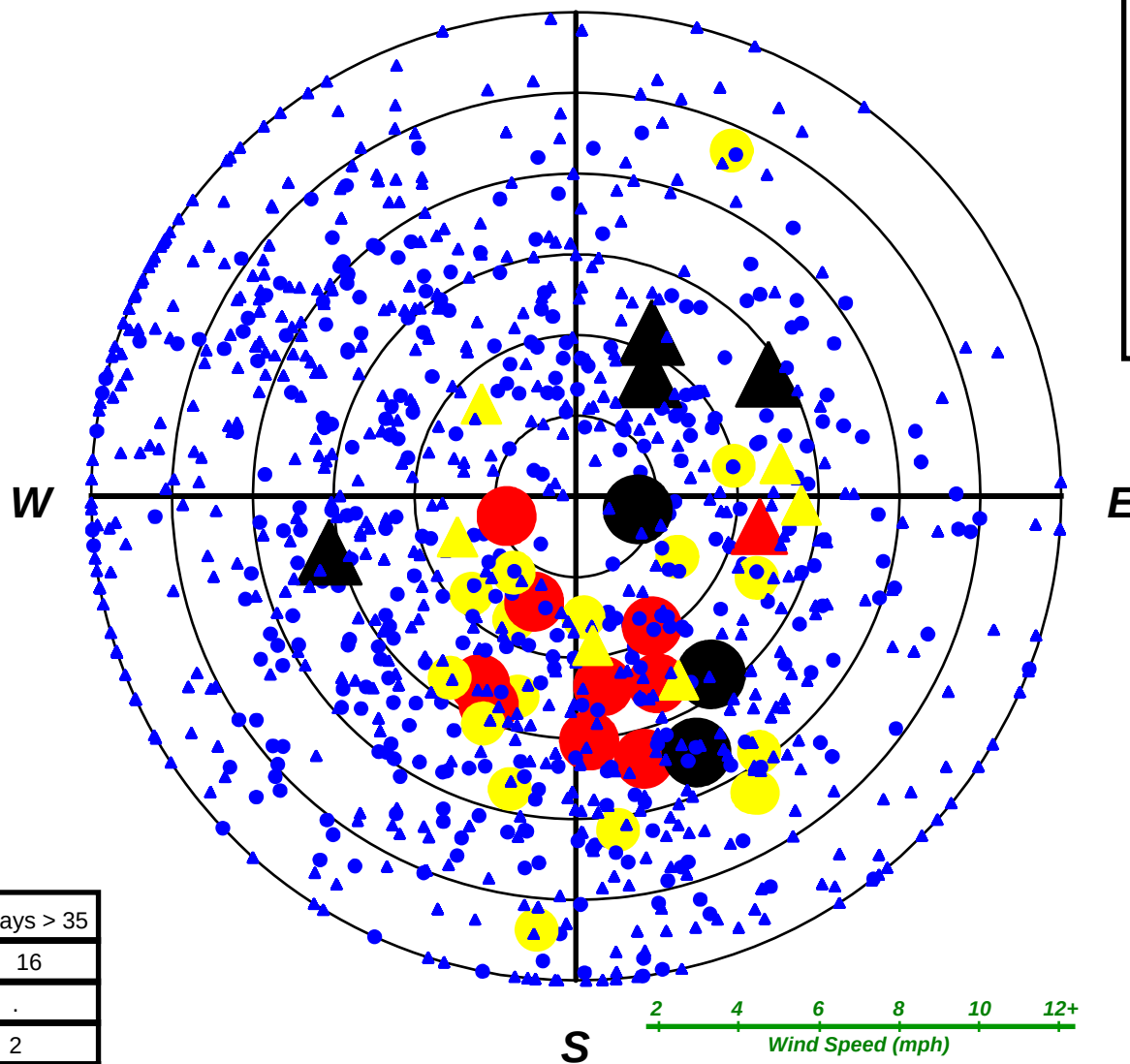
Year	98th %-ile	# days > 35
2005	38.6	15
2006	30.4	.
2007	31.7	3
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 15.4 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [St. Louis City County, MO]
Pollution Rose, 2005-2007

Site 295100085



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

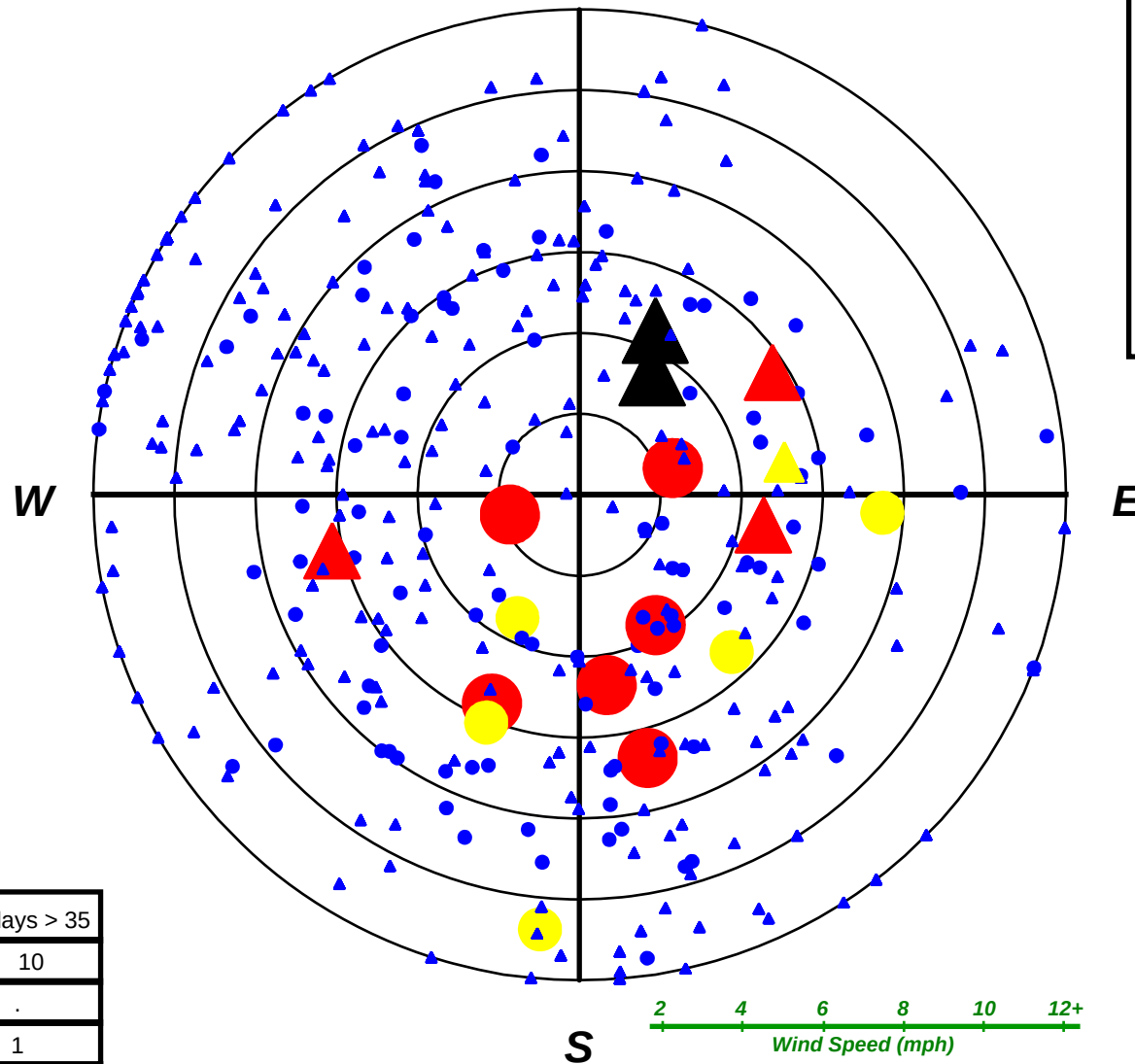
Year	98th %-ile	# days > 35
2005	40.3	16
2006	29.2	.
2007	32.1	2
Design Value	34-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 11.2 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [St. Louis City County, MO]
Pollution Rose, 2005-2007

Site 295100086



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

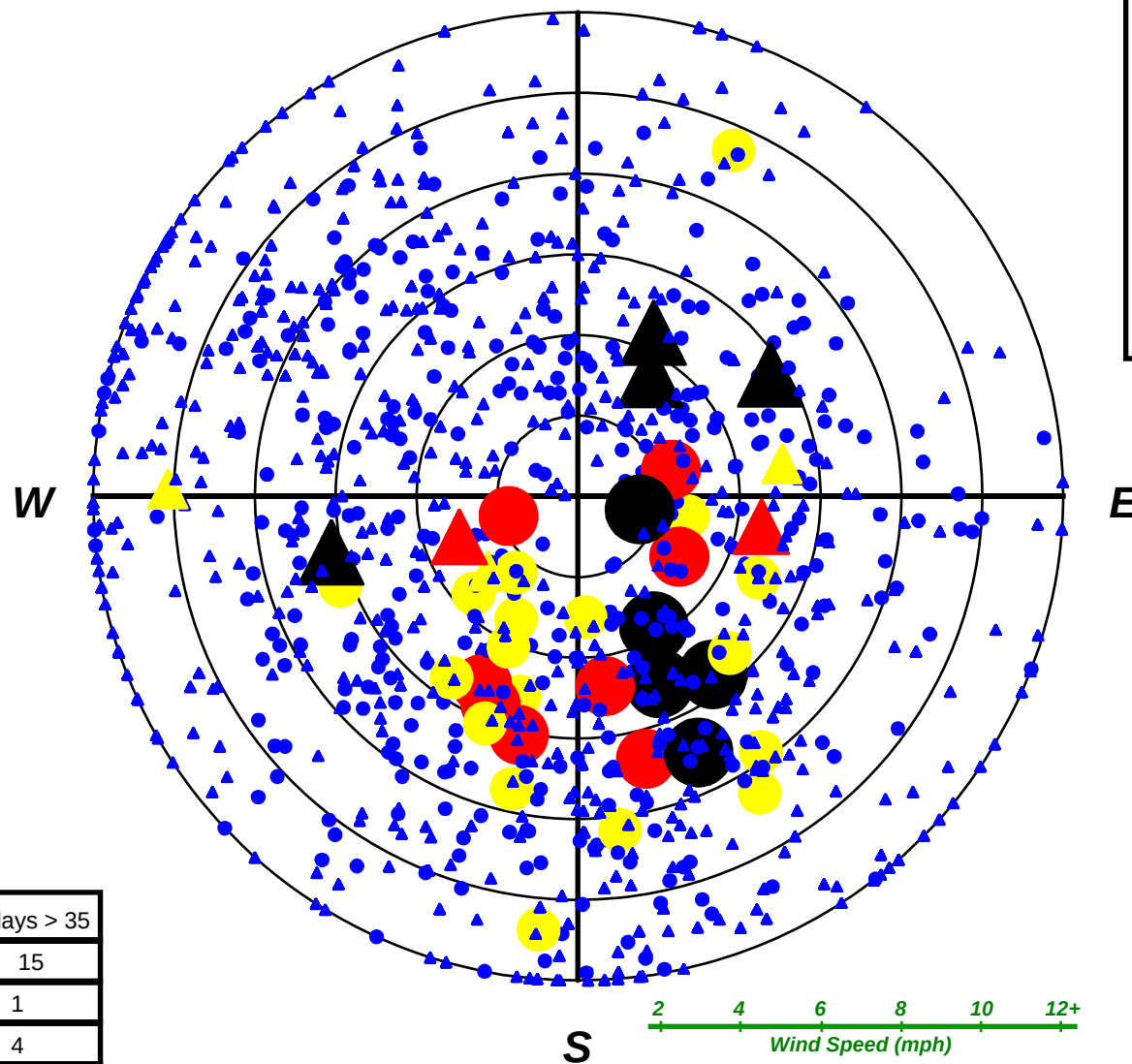
Year	98th %-ile	# days > 35
2005	40.0	10
2006	30.5	.
2007	34.2	1
Design Value	35-inc-a	

All exceedances plotted

Meteorological data from 8.8 miles away
ST LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [St. Louis City County, MO]
Pollution Rose, 2005-2007

Site 295100087



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	40.8	15
2006	29.6	1
2007	33.8	4
Design Value	35-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 12.3 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

St. Louis, MO-IL [St. Louis City County, MO]
Pollution Rose, 2005-2007

Site 295100093

Concentration:

■ > 40 $\mu\text{g}/\text{m}^3$

■ 35 - 40 $\mu\text{g}/\text{m}^3$

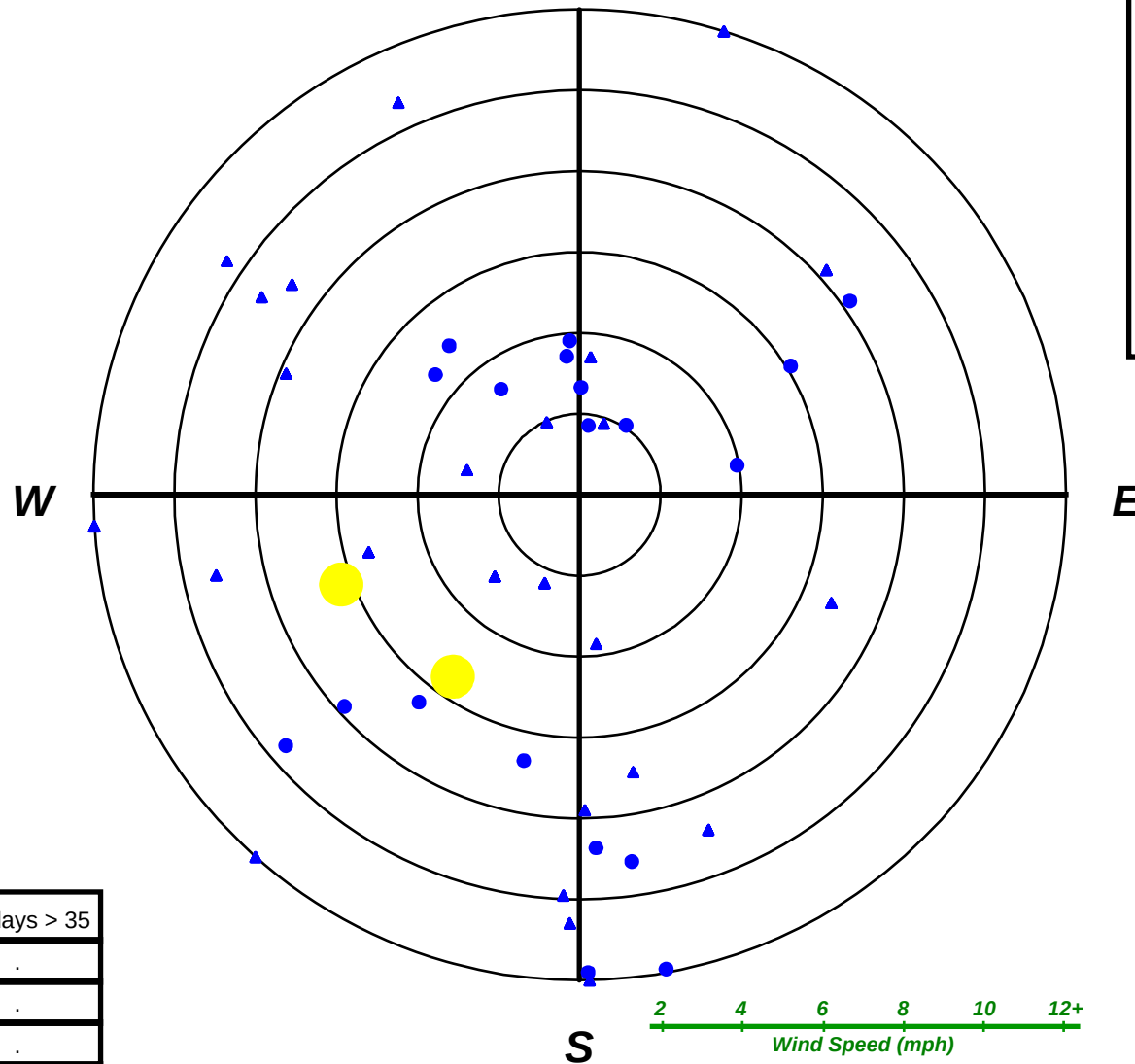
■ 30 - 35 $\mu\text{g}/\text{m}^3$

■ ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

△ cool (Oct-Apr)

○ warm (May-Sep)



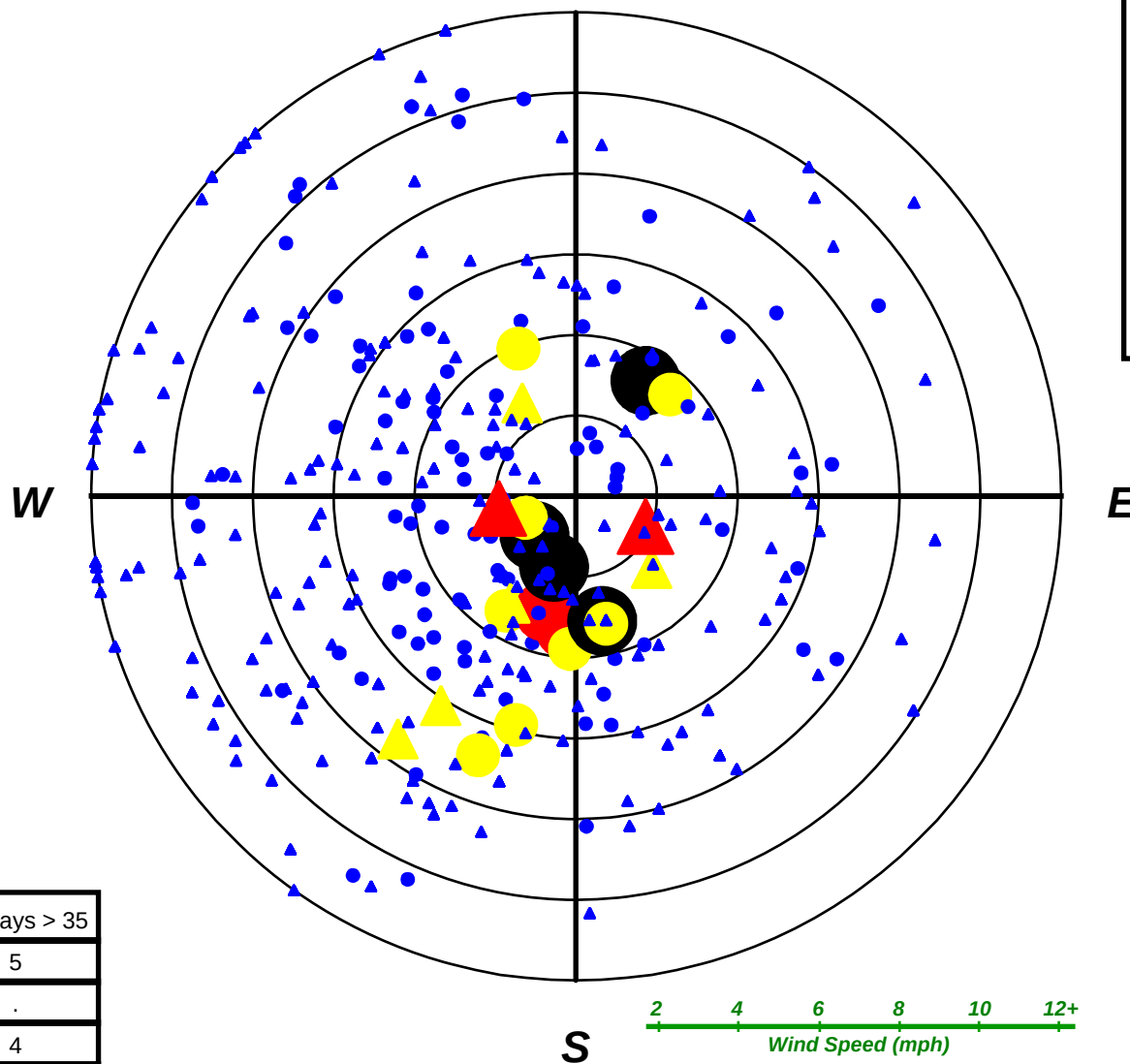
Year	98th %-ile	# days > 35
2005	.	.
2006	.	.
2007	35.4	.
Design Value	35-inc-a	

No exceedances

Meteorological data from 11.8 miles away
ST. LOUIS LAMBERT INT'L ARPT (ID=13994)

Steubenville-Weirton, OH-WV [Jefferson County, OH]
Pollution Rose, 2005-2007

Site 390810017



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	43.8	5
2006	32.1	.
2007	43.5	4
Design Value	40-NA	

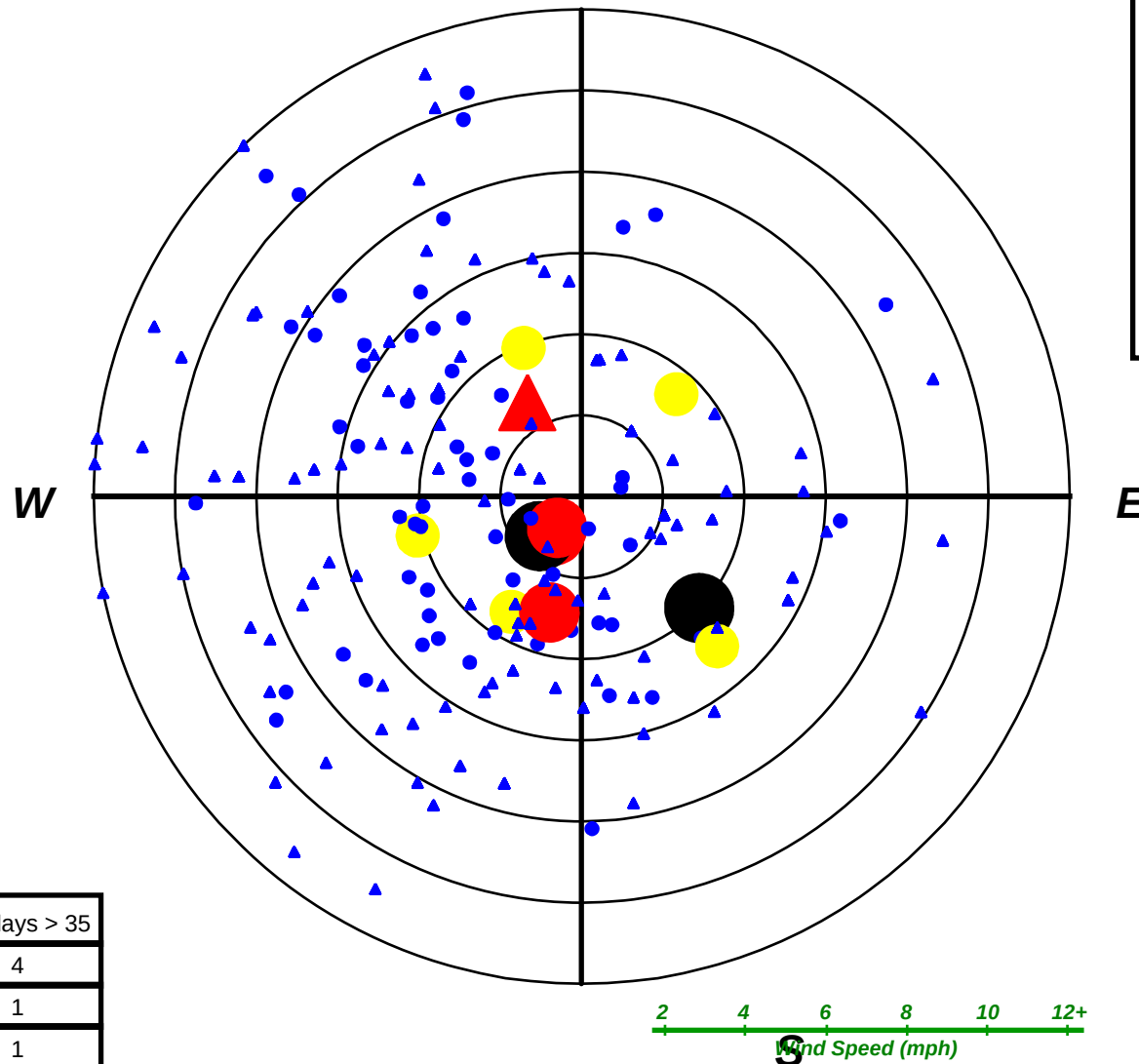
1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 22.1 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)

Steubenville-Weirton, OH-WV [Jefferson County, OH]
Pollution Rose, 2005-2007

Site 39081100

S1S



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

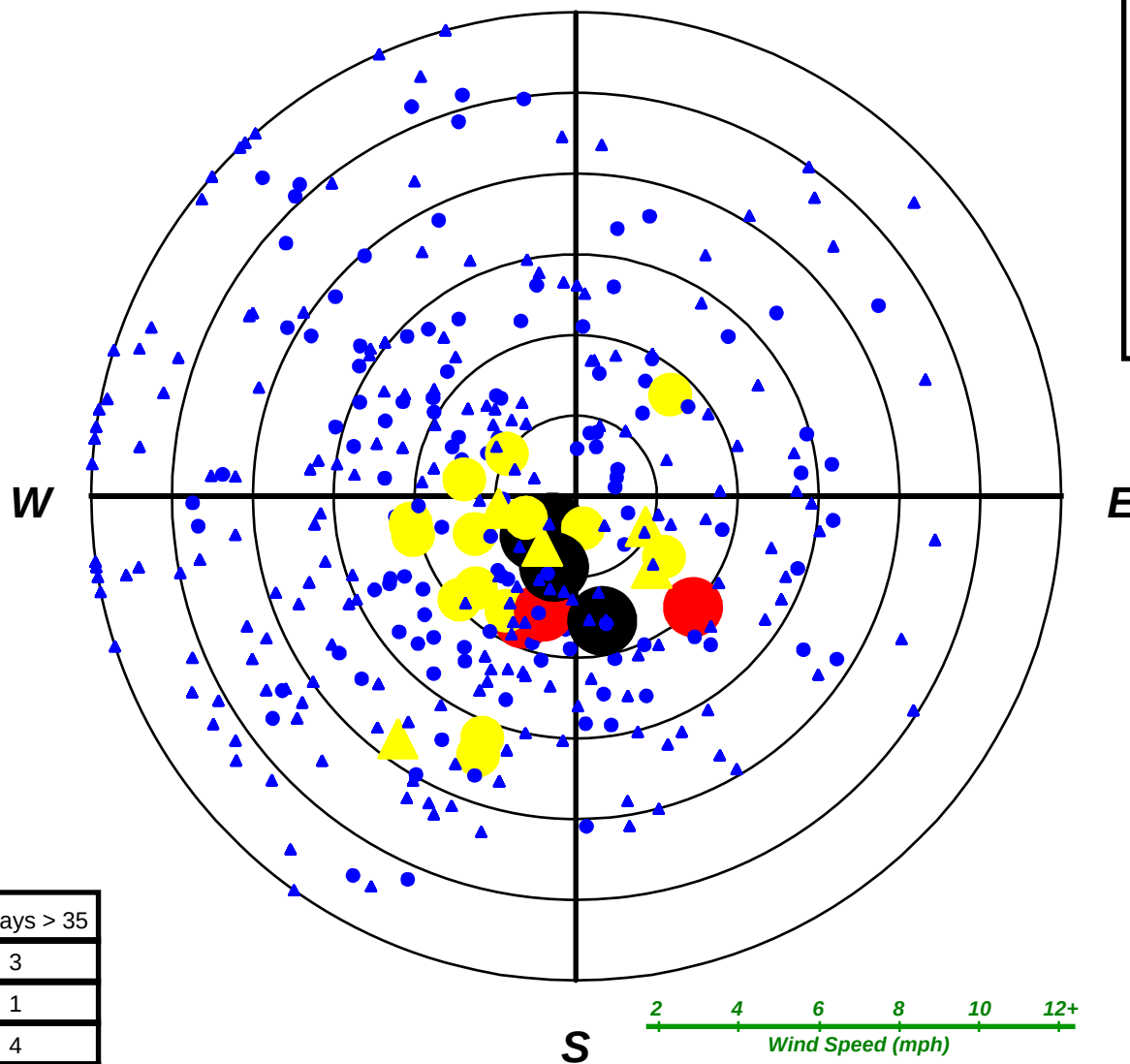
Year	98th %-ile	# days > 35
2005	44.2	4
2006	32.9	1
2007	35.4	1
Design Value	38-NA	

All exceedances plotted

Meteorological data from 23.2 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)

Steubenville-Weirton, OH-WV [Brooke County, WV]
Pollution Rose, 2005-2007

Site 540090005



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	38.8	3
2006	32.2	1
2007	40.0	4
Design Value	37-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 22.1 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)

Steubenville-Weirton, OH-WV [Brooke County, WV]
Pollution Rose, 2005-2007

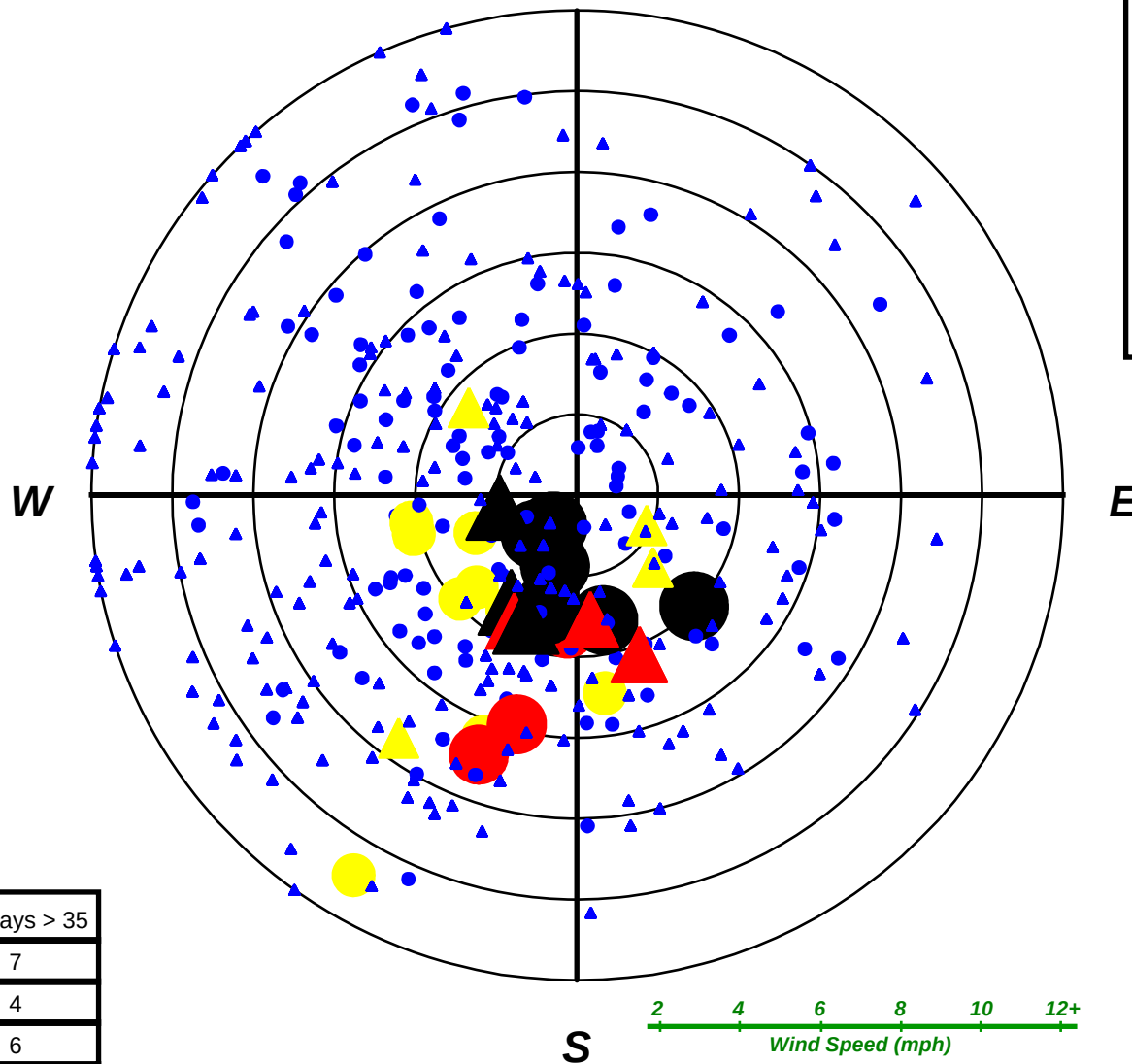
Site 540090011

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



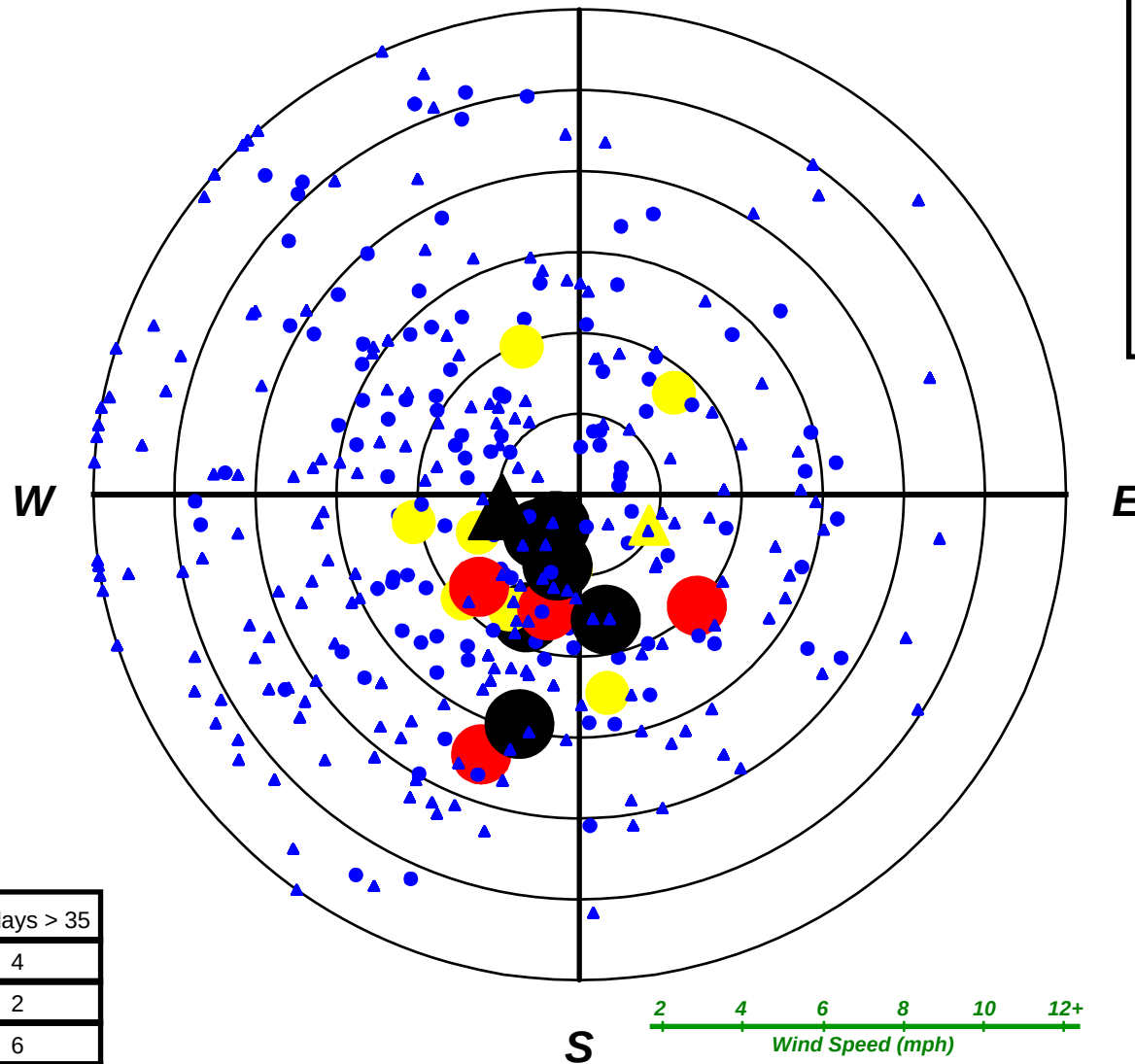
Year	98th %-ile	# days > 35
2005	44.7	7
2006	36.9	4
2007	49.7	6
Design Value	44-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 21.2 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)

Steubenville-Weirton, OH-WV [Hancock County, WV]
Pollution Rose, 2005-2007

Site 540291004



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

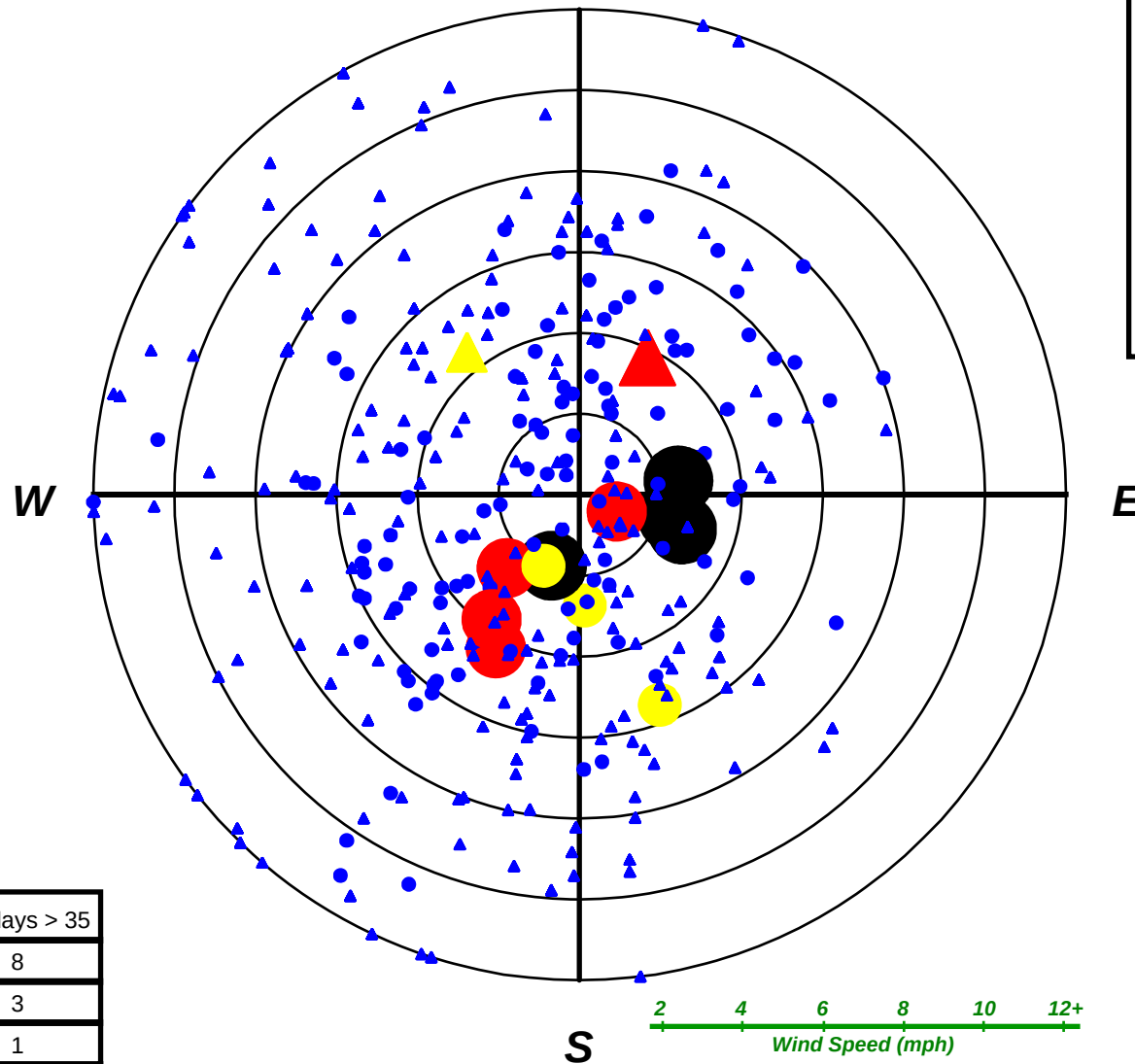
Year	98th %-ile	# days > 35
2005	43.9	4
2006	33.7	2
2007	44.9	6
Design Value	41-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 19.1 miles away
PITTSBURGH INTERNATIONAL AP (ID=94823)

Vincennes, IN [Knox County, IN]
Pollution Rose, 2005-2007

Site 180830004



Concentration:

- > 40 µg/m³
- 35 - 40 µg/m³
- 30 - 35 µg/m³
- ≤ 30 µg/m³

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

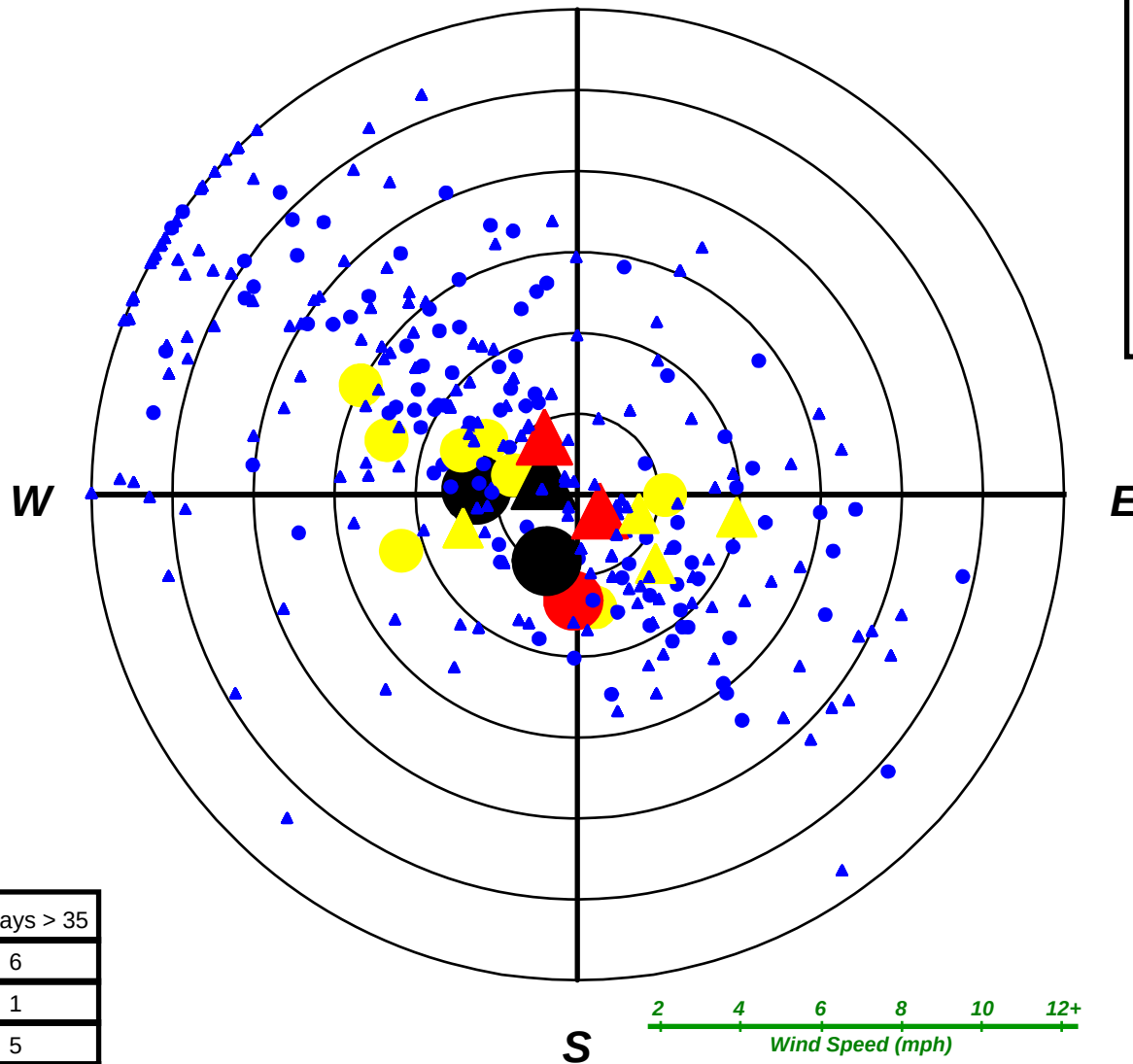
Year	98th %-ile	# days > 35
2005	41.8	8
2006	36.2	3
2007	30.9	1
Design Value	36-NA	

3 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 47.8 miles away
EVANSVILLE_REGIONAL_AP (ID=93817)

York, PA [York County, PA]
Pollution Rose, 2005-2007

Site 421330008



Year	98th %-ile	# days > 35
2005	39.4	6
2006	35.1	1
2007	37.0	5
Design Value	37-NA	

6 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 16.6 miles away
MIDDLETOWN_HARRISBURG_INTL_AP (ID=14711)

Youngstown, OH [Mahoning County, OH]
Pollution Rose, 2005-2007

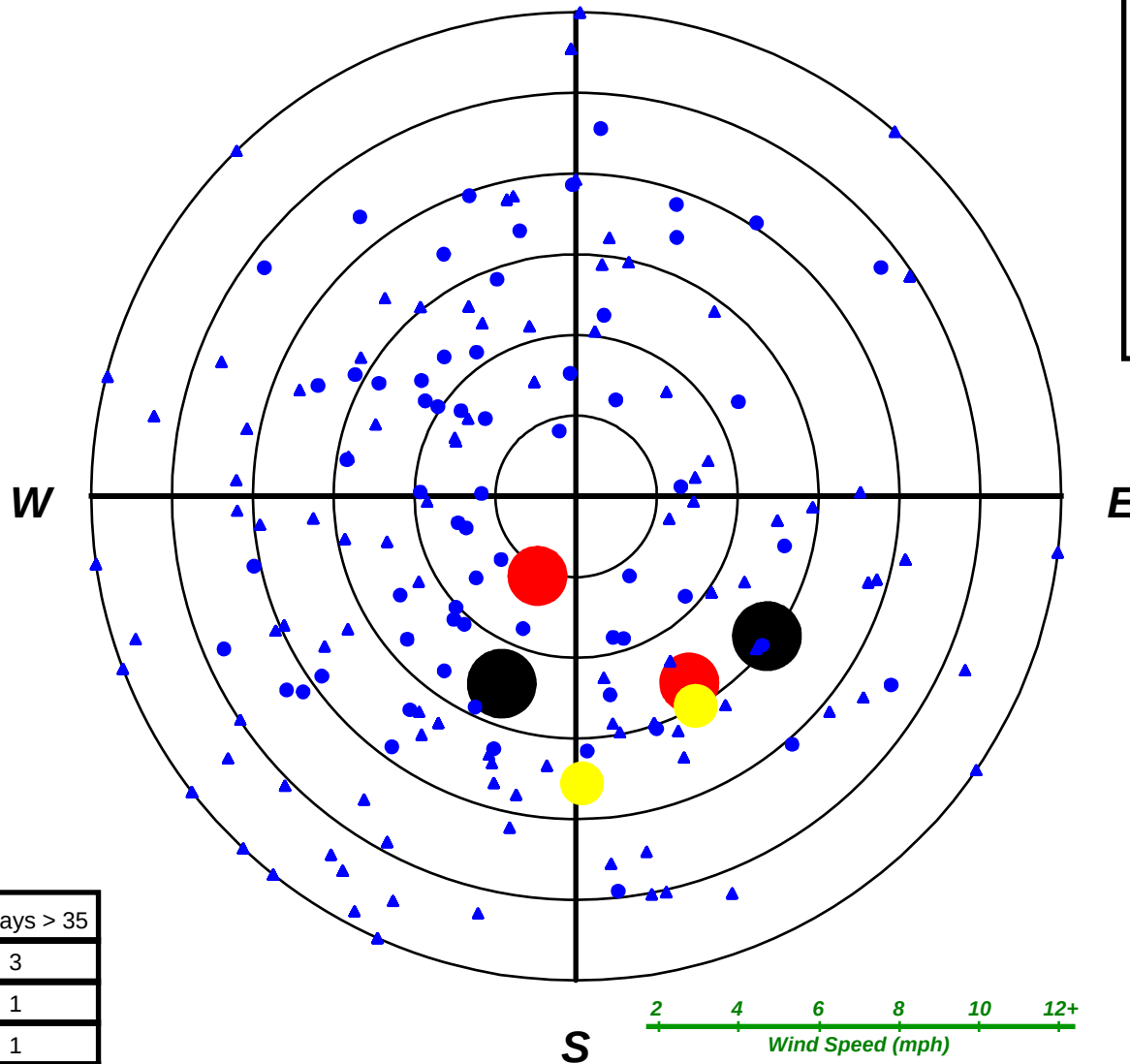
Site 390990005

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

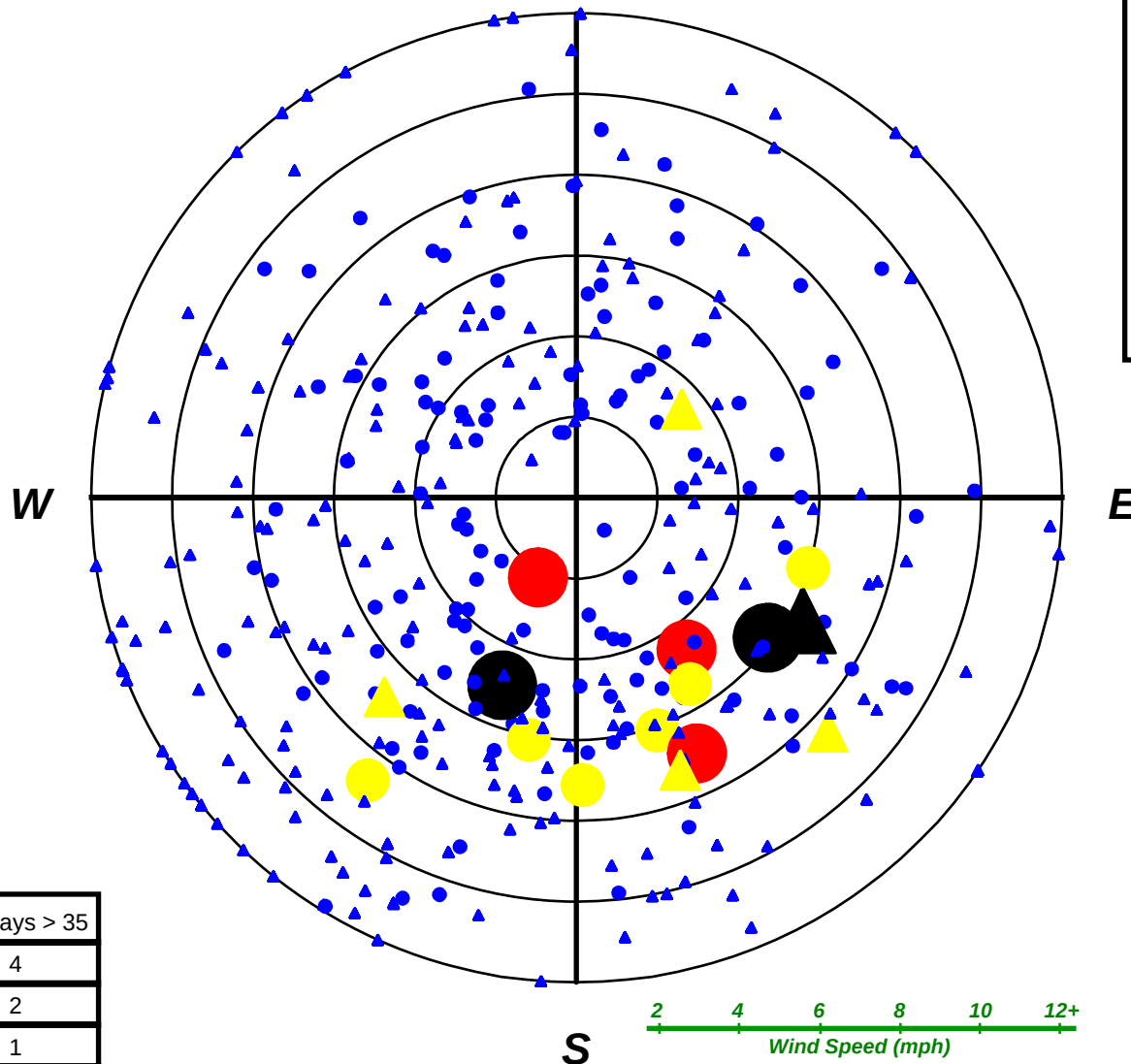
Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Youngstown, OH [Mahoning County, OH]
Pollution Rose, 2005-2007

Site 390990014



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

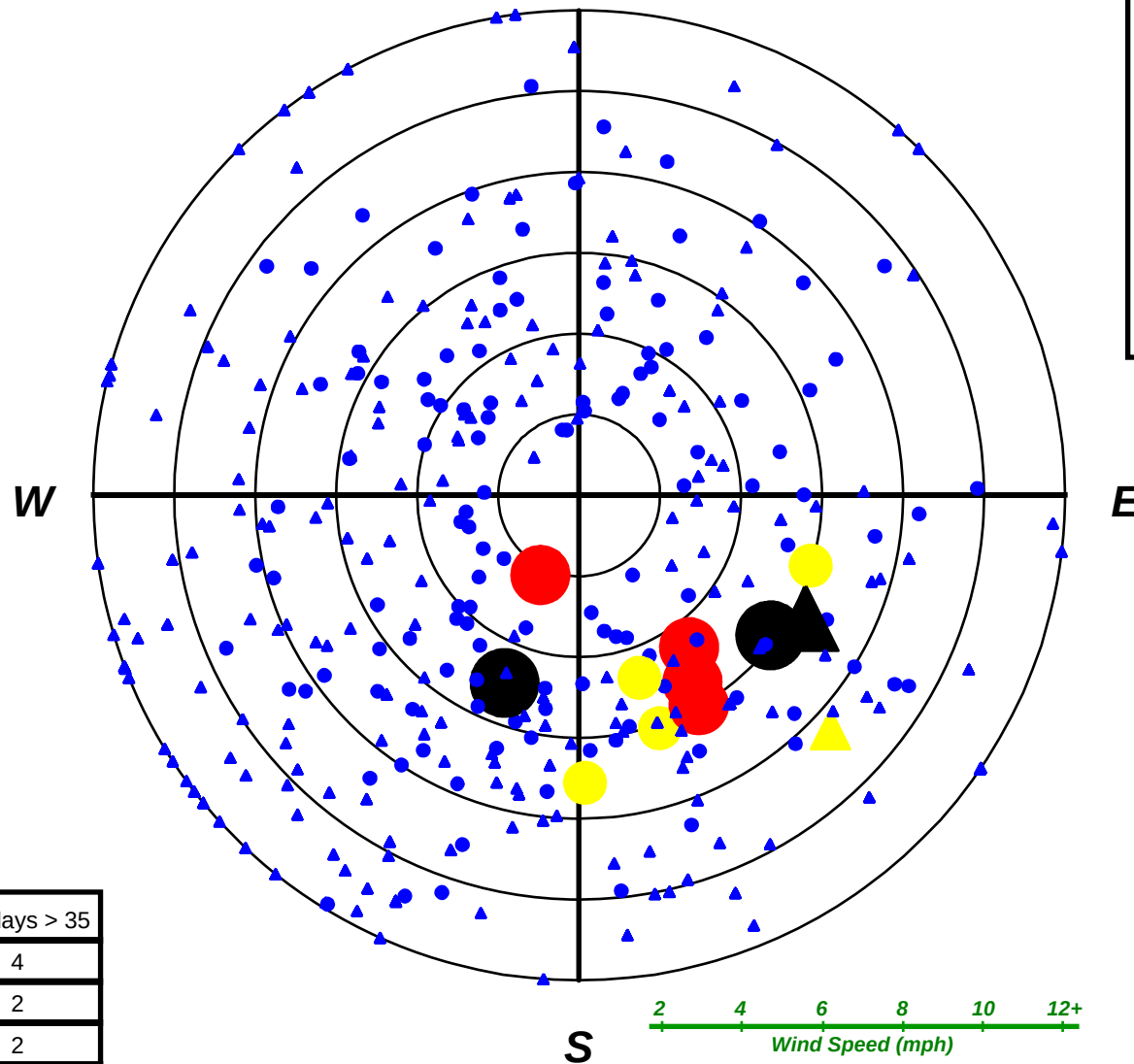
Year	98th %-ile	# days > 35
2005	42.6	4
2006	31.1	2
2007	33.5	1
Design Value	36-NA	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 10.7 miles away
YOUNGSTOWN_REGIONAL_AIRPORT (ID=14852)

Youngstown, OH [Trumbull County, OH]
Pollution Rose, 2005-2007

Site 391550007



Concentration:

- $> 40 \mu\text{g}/\text{m}^3$
- $35 - 40 \mu\text{g}/\text{m}^3$
- $30 - 35 \mu\text{g}/\text{m}^3$
- $\leq 30 \mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

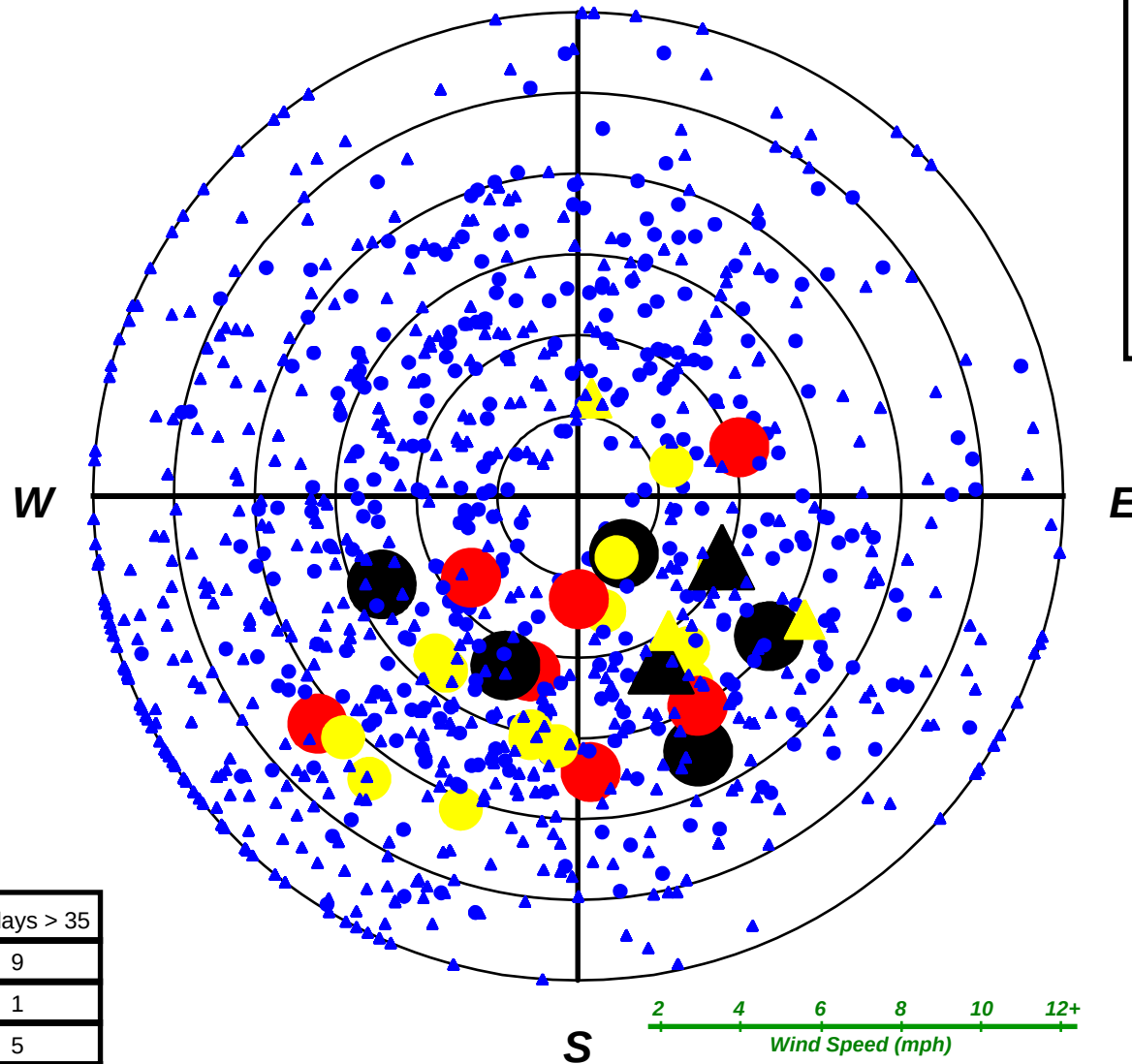
Year	98th %-ile	# days > 35
2005	45.1	4
2006	28.7	2
2007	31.5	2
Design Value	35-A	

1 exceedance(s) not plotted
(due to missing or variable wind data)

Meteorological data from 6.7 miles away
YOUNGSTOWN_REGIONAL_AIRPORT (ID=14852)

Youngstown, OH [Mercer County, PA]
Pollution Rose, 2005-2007

Site 420850100



Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)

Year	98th %-ile	# days > 35
2005	39.0	9
2006	30.7	1
2007	34.9	5
Design Value	35-inc-a	

1 exceedance(s) not plotted
(due to missing or variable wind data)

2 4 6 8 10 12+
Wind Speed (mph)

Meteorological data from 9.8 miles away
YOUNGSTOWN_REGIONAL_AIRPORT (ID=14852)

**Yuba City-Marysville, CA [Sutter County, CA]
Pollution Rose, 2005-2007**

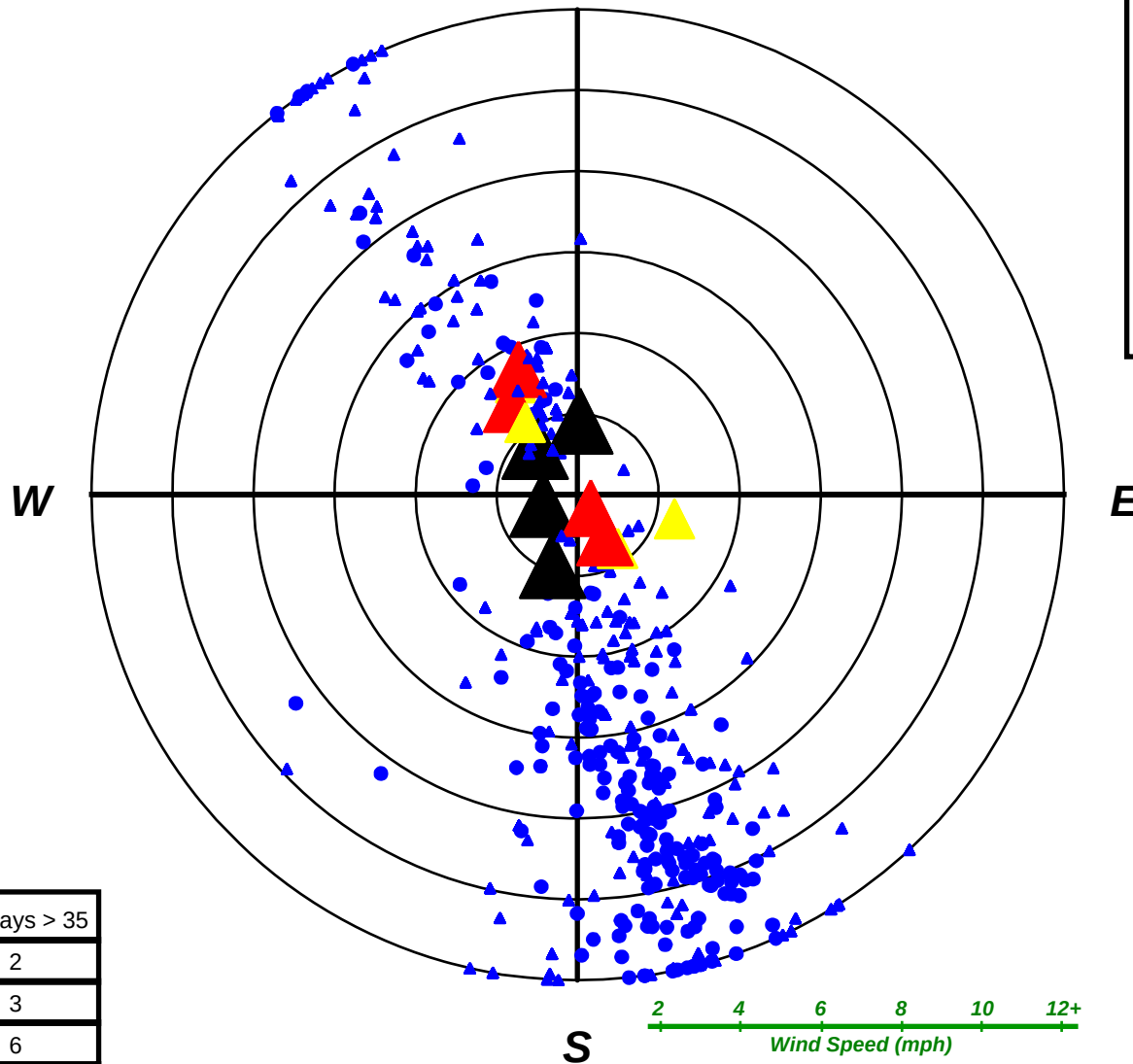
Site 061010003

Concentration:

- > 40 $\mu\text{g}/\text{m}^3$
- 35 - 40 $\mu\text{g}/\text{m}^3$
- 30 - 35 $\mu\text{g}/\text{m}^3$
- ≤ 30 $\mu\text{g}/\text{m}^3$

Season:

- △ cool (Oct-Apr)
- warm (May-Sep)



Year	98th %-ile	# days > 35
2005	42.0	2
2006	41.0	3
2007	34.0	6
Design Value	39-NA	

3 exceedance(s) not plotted
(due to missing or variable wind data)

*Meteorological data from 30.4 miles away
SACRAMENTO_METROPOLITAN_AP (ID=93225)*